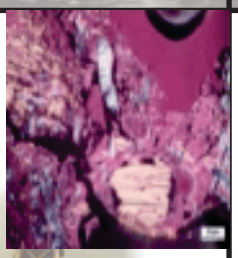
Founded 1953

ICCP News

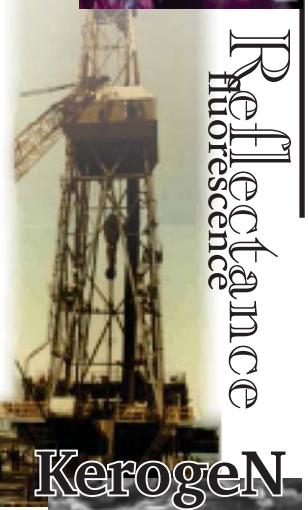
http://www.iccp.org

On Line ISSN 1445-4858

No 58 March 2014

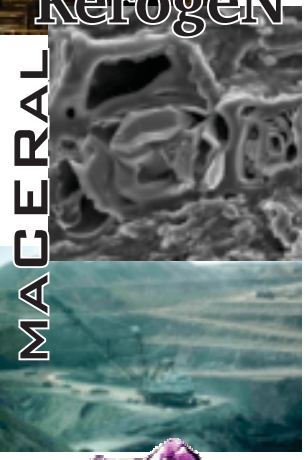


COKE



Reflectance
fluorescence

KerogeN



MACERAL

char

ŻYWIEC ZDRÓJ S.A.

The Society for Organic Petrology

ZEISS

j&m ANALYTIK AG

FOSSIL

Hilgers Technisches Buero

Reflectance Measurement

ICCP Poland 2013 - Sponsors

inside this issue

3 ed. / pres.
4 Sosnowiec meeting
10 Comm. I minutes
17 Comm. II minutes
23 Comm. III minutes
44 accreditation programs
45 Kolkata meeting
51 DOM course Potsdam

Council of the International Committee for Coal and Organic Petrology (ICCP)

President (2007 - 2015)
Dr Petra David
Wintershall Holding GmbH
Friedrich-Ebert-Straße 160
34119 Kassel
GERMANY
Tel. +49 561 301-2711
Fax +49 561 301-1892
mailto: petra.david@wintershall.com

Vacant

Commission II Chair
Acting Chair
Jolanta Kus

mailto:j.kus@bgr.de

Commission II Secretary
(2012 - 2016)
Jolanta Kus
mailto:j.kus@bgr.de

Vice-president
(2011-2015)
Dr. Henrik Ingermann Petersen
mailto:henrik.ingermann.petersen@maersk oil.com

General Secretary
(2008 - 2016)
Dr M. Ángeles Gómez Borrego
mailto:angeles@incar.csic.es

Commission III Chair
(2007 - 2015)
Dr Isabel Suárez-Ruiz
mailto:isruiz@incar.csic.es

Commission III Secretary
(2012 - 2016)
Dr Magdelan Misz-Kennan
mailto:magdalena.misz@us.edu.pl

Treasurer
(2007 - 2015)
Ms Jennifer Pearson
mailto:jen@coalpetrography.com

Editor
(2000 - 2016)
Dr Peter J. Crosdale
mailto:peter.crosdale@energyrc.com.au

Commission I Chair
(2008 - 2016)
Dr Deolinda Flores
mailto:dflores@fc.up.pt

Commission I Secretary
(2008 - 2016)
Dr Stavros Kalaitzidis
mailto:stavros@integralrc.com

Past President
Dr. Alan C. Cook . . . . . deceased
Returning Officer
Dr rudi Schwab . . . . . mailto:rudi.schwab@btinternet.com
Reinhardt Thiessen Award Committee
Contact General Secretary . . . . . mailto:angeles@incar.csic.es
Organic Petrology Award Committee
Contact General Secretary . . . . . mailto:angeles@incar.csic.es
Webmaster (http://www.iccop.org)
Dirk Prinz . . . . . mailto:prinz@lek.rwth-aachen.de
Archives
Faculdade de Ciências, Universidade do Porto
Dr Deolinda Flores . . . . . mailto:dflores@fc.up.pt

Membership Enquiries
Dr. Ángeles Gómez Borrego
Instituto Nacional del Carbón, CSIC
Apartado 73
33080 Oviedo
SPAIN
Ph. +34-98-511 9090 Fax +34-98-529 7662
Email : . . . . . mailto:angeles@incar.csic.es
OR visit our web site . . . . . http://www.iccop.org

From the Editor

It is with a great deal of sadness that you will find the passing of a number of long-standing colleagues reported in this issue. Many of you will have come across Duncan Murchison during your careers. Not only as ICCP President but as a teacher, co-worker and highly respected scientist. He will be missed. It is also with sadness that we print some words for Petr Timofeev. Although he passed away a few years ago, it is still important to remember him and his contributions to organic petrology, especially as one of the pioneers in ICCP. Further, as I was going to press, I learn of the passing of Bill Spackman. He was an Honorary Member of ICCP member and his contributions to organic petrology and coal science cannot be easily ignored.

On happier notes, I see the activities within ICCP continue apace. Although I was unable to attend the meeting in Poland due to last minute commitments, I see that very much happened, both scientifically and socially. The working groups and commission chairs are to be congratulated.

Activities for this year include no fewer than two ICCP Courses, as well as Accreditation rounds and the annual meeting. I am particularly looking forward to going to Kolkata again. I have been to India on several occasions and have always had the most enjoyable time. The colour, variety and life of India has to be experienced to be believed. When a meeting is hosted in India, you know the organisation will not be surpassed nor the friendliness of the people.

Peter

Institutional Members of ICCP

TATA STEEL

http://www.tatasteel.com

Dr P.K. Banerjee / Dr Rashmi
Research & Development Division
The Tata Iron & Steel Company Limited
Jamshedpur - 831 007
India
pkbanerjee@tatasteel.com / dr.rashmi@tatasteel.com

From the President

Dear colleagues,

I am very pleased to let you all know of the success of the meeting the meeting last August in Sosnowiec, Poland. A great deal of activity is reported in the minutes in this edition of the ICCP News.

It is time again for the Accreditation Programs to be run (see page 44). I encourage you and your colleagues to participate. These programs have now been running for some time and have been of great benefit to lift the profile and acceptance of organic petrology. It is very helpful for the organisers for people to register their interest as soon as possible and to return their data in a timely fashion. Those not closely involved will not understand the huge effort required to run these programs. The conveners are warmly thanked for their work. Please help them by being prompt - and sending samples for the program if you have any!

For those interested in dispersed organic matter, the 7th ICCP Course will be held in Potsdam, Germany, in June (see page 51). Joao Graciano and Angeles Borrego will bring a wealth of experience.

I am also very pleased to see the first announcements of this year's meeting in Kolkata, India. The meeting is very well planned as shown by the presentations in Sosnowiec. Personally, I have not been to India before and I am really looking forward to attending the meeting in this exciting country. Linked to this meeting is the 8th ICCP Course, in Applied Coal Petrology. This one is being run by Dr. Isabel Suárez-Ruiz and Walter Pickel, who are both very well known in this area.

Best regards

Petra David
ICCP President

Know Your Coal Petrologist #52

What links this unusual triumvirate consisting of a Greek, a Sri Lankan and a Canadian? (thanks Lopo for the photo). Answer page 55.

Minutes of the 65th ICCP Meeting
Sosnowiec, Poland
August 25 - 31, 2013

Hosted by University of Silesia, Katowice
http://www.english.us.edu.pl/

General Course of the Meeting

The 65th meeting of the ICCP took place in Sosnowiec (Poland) from 25th to 31st August 2013 in connection with the 30th annual meeting of TSOP. The executive chair of the organizing committee was Dr. hab. Magdalena Misz-Kennan who was accompanied in the organizing tasks by long standing ICCP members comprising the Honorary Member of the ICCP Prof. Krystyna Kruszewska and Dr. Iwona Jelonek and colleagues of University of Silesia as Dr. Krzysztof Szopa and Prof. Monika Fabiańska. They ensured that the every need was covered and that the meeting developed smoothly. In addition to them: Marta Kasprzyk, Maciej Rybicki, Kamila Banasik, Piotr Kotula, Justyna Smolarek, Martyna Trubic, Magdalena Wolniak, Katarzyna Kańtoch were permanently around in the registration desk and in the conference room attending our wishes and supporting us in every task.

The meeting was hosted by the University of Silesia, at Faculty of Earth Sciences in Sosnowiec and we met at the Conference room in the first floor after being welcome by an impressive recreation of dinosaurs. The group photo of the meeting evidences that.

Activities started on Sunday afternoon with a Council Meeting at 15:30 in the headquarters of the Faculty of Earth Sciences of the University of Silesia and were followed by the icebreaker party. The session started on Monday morning with the welcome words of the Vice-Rector for Research and Collaboration with Industry of the Silesian University Prof. Andrzej Kowalczyk and the Vice-Dean for Research and Development of the Faculty of Earth Sciences Dr Andrzej Tyc who outlined the main characteristics of their respective institutions comprising the number of students and the long tradition in training capacities. The welcome ceremony was closed by the representative of the local government Deputy President of Sosnowiec Agnieszka Czechowska – Kopeć. All of them wished us fruitful discussions and enjoyment of the tourist attractions of the region. The opening ceremony was followed by two interesting presentations: "Geology and resources of Polish coals" by Janusz Jureczka and Włodzimierz Krieger and "Application of Polish coals in technological processes" by Łukasz Smędowski, which gave us an overview on the characteristics of the Polish coals and their main utilization. Before starting with the General Assembly we went for a group photo under the furious look of a Tyranosaurius rex in the main hall of the faculty. The first Plenary Session opened with the President Petra David in the Chair. A preliminary schedule for the meetings of the General Assembly of the ICCP was published in the ICCP News # 57 and it finally covered the following topics:

1. Apologies for Non-attendance
2. Minutes of Previous Meeting
3. Arrangements for Sosnowiec Meeting
4. Future Meetings
5. Membership
6. Elections
7. Editor's Report
8. Financial matters
9. ICCP Accreditation program
10. ICCP Training Subcommittee
11. Registration and Revision of Statutes
12. Website
13. Short reports from Commission Meetings
14. Short report from the Council Meetings
15. Arrangements for 2014 Meeting
16. Other Matters
17. Closing remarks and vote of thanks

Topics 1 to 10 were covered in the Opening Plenary session and some of them (topics 4, 6, and 10) were discussed again in the Closing Plenary session. Topics 11 to 17 were covered in the Closing Plenary session.

1. Apologies and Other Attendance Matters

Peter Crosdale (AU), Alan Davis (USA), Harold Smith (UK), Rosa Menéndez (ES), Diego Álvarez (ES), Javier G. Prado (ES), Angelika Vieth (DE), Cristina Rodrigues (PT), Yoshi Uijié (JP), Tatiana Juliao (CO), Joana Ribeiro (PT), Brett Valentine (USA), Kimon Christanis (GR), Stefanos Papazisimou (GR), George Siavalas (GR), Manuela Marques (PT), Henrique Pinheiro (SA), Helmut Jacob (DE), Joan Esterle (AU), Werner Hiltmann (DE), Heike Lizio (DE), Claus F.K. Diessel (AU), Aivars Depers (AU), Harold Read (AU), Elisabeth Gawronski (AU), Johan Joubert (SA).

As Peter Crosdale was in the last minute unable to attend the meeting, the President presented the Editor's report on his behalf.

2. Minutes of the Beijing Meeting

The President asked the Plenary Session for confirmation of the minutes of the 64th ICCP Meeting held in Beijing, China, as published in the ICCP News #56, which was approved as an accurate record of the meeting.

3. Arrangements for Sosnowiec Meeting

Magda Misz-Kennan provided some information about the last minute arrangements and details in the organization comprising information about the schedule for collecting delegates from the hotels, about the general facilities for printing and computing made available by the organizers and about the logistic of the lunches and the places to be held.

4. Future Meetings

2014 – 20-27 September, Kolkata, India

The 66th ICCP Meeting will be held in Kolkata, India between 20th and 27th September, 2014. The meeting will be host by the Central Institute of Mining & Fuel Research, CSIR National Laboratories, being organized by Dr. Ashok K. Singh. At the closing plenary session Dr. Ashok Singh provided further details of the venue of the meeting and the facilities and the attractions of India to invite the audience to attend the meeting.

2015 Maputo, Mozambique

The 67th ICCP Meeting will be held in Maputo, Mozambique. Prof. Lopo de Sousa e Vasconcelos presented some information about the country and the town in which the meeting will be held. It will be finally Maputo instead of Tete, where the facilities and accommodation possibilities are more appropriated for the celebration of the meeting.

2016- Two invitations have been received

Two invitations have been received to hold the 68th ICCP Meeting.

One invitation from Thomas D. Demchuk from ConocoPhillips to hold the Meeting in Houston in Mid-to Late October in conjunction with the 33rd TSOP Meeting. The preliminary proposal is to have parallel sessions for ICCP and TSOP during two days and a total duration of the ICCP Meeting of three days. A 1 day pre-conference and 2 days post-conference excursions have been also offered. As the length of the meeting appears insufficient for the ICCP needs and some other difficulties could be envisaged such as elevated costs for the registration and accommodation and the concurrent sessions preventing attendance to some sessions and councillors meetings, it was decided to check with the proponents if there is possibilities to accommodate the proposal to the ICCP needs.

The other invitation comes from Polla Khanaqa to hold the Meeting in Sulaimani, Kurdistan (Iraq). The invitation is supported by the Kurdistan Institution for Strategic Studies and Scientific research (KISSR) currently headed by Polla Khanaqa. The meeting is initially scheduled for the beginning of September but some flexibility is possible. Registration costs are expected to be held low and transport to the hotels from the airport are to be provided by the organization.

Prior to the presentation of the proposals Stavros Kalaitzidis presented some impressions from this year meeting and seminar held in Sulaimani, in which a number of ICCP Members participated.

The members had the chance to have answered their questions by Polla Khanaqa, attending the meeting, but as some aspects of the Houston proposal needed to be clarified, Council requested from General Assembly the mandate to take the final decision. Nevertheless, considering that the proposal is three years in advance the General

Assembly decided to postpone the decision to next year, once full details of both invitations have been clarified and can be presented.

5. MEMBERSHIP MATTERS

Eight applications for Associate membership have been received during the year and one additional application was received during the meeting. In addition, three applications were received for advancement to Full Membership. All applications were recommended for acceptance and have been approved by the General Assembly. No resignations have been received.

5.1 Associate membership

The following colleagues were elected to Associate Membership of the ICCP:

Mr. Shaaban M. Aly (A1, 2) Egypt; (Introduced in ICCP Newsletter #56)
Dr. Ioannis Oikonomopoulos (A1, 2) Greece; (Introduced in ICCP Newsletter #56)
Dr. Kaydy Lavern Pinetown (A2) Australia; (Introduced in ICCP Newsletter #56)
Dr. Leokadia Rog (A1, 2, 3) Poland; (Introduced in ICCP Newsletter #57)
Ms. Nathalie Bou Karam (A1) Australia; (Introduced in ICCP Newsletter #57)
Ms. Nikola van de Wetering (A1) Australia; (Introduced in ICCP Newsletter #57)
Mr. Seare Ocubalidet (A1, 2) USA; (To be introduced)
Dr. Joalice de Oliveira Mendonça (A1, 2) Brazil; (To be introduced)
Dr. Barbara Bielowicz (A1, 2, 3) Poland; (To be introduced)

A short introduction of the new associate members based on their applications and CV's was given to the audience. Six of the new members have already been introduced to the membership in previous ICCP Newsletters, as indicated in the list above. A summary of the remaining profiles is given in Appendix 3.

5.2 Full Membership

Three active Associate Members of the ICCP applied during the meeting to promotion to Full Members:

Dr. Iwona Jelonek (PO)
Dr. Joana Paula Machado Ribeiro (PT)
Dr. Sandra Rodrigues (AU)

5.3 Expiring Membership

According to the treasurer's report 8 members of the ICCP will lost the membership at the end of 2013 (last year paid 2011). A last effort will be perform to contact the members before the end of the year.

6. ELECTIONS

No elections were expected during the next year, but the change of work of the Vice-President Henrik I. Petersen and his conviction that he will not be able to attend the forthcoming meetings lead him to resign. Participants were informed about this situation at the Opening Plenary Session of the General Assembly. The candidates who participated in the previous election (Walter Pickel and Peter Crosdale) were suggested as suitable candidates for the forthcoming election. Council confirmed the candidates after requesting their availability. In the Closing Plenary Session of the General Assembly, Maria Hamor-Vidó was suggested as candidate from the floor and accepted the nomination, which was supported by a high number of Full Members in the audience. Walter Pickel withdrew his nomination and therefore elections will take place between Mária Hamor-Vidó and Peter Crosdale. They are expected to occur before the end of the year.

7. EDITORS' REPORT

The President presented on behalf of the Editor a summary of the 2012-2013 report which is shown in Appendix 5. Members and in particular conveners of the working groups are encouraged to provide progress reports and contribute further to the ICCP News.

8. FINANCIAL MATTERS

The Honorary Treasurer presented the report of the 2012-13 economic affairs which is shown as Appendix 4. Accounts are in good shape.

9. ACCREDITATION

Deolinda Flores chair of the Accreditation Subcommittee presented an overview of the Accreditation activities in the year 2013. At the time of the meeting the 2012-2013 Accreditation Round nearly closed pending from the finalization of the appealing period in CBAP. The increase in participation has been significant this year, in particular in DOMVR and CBAP. The schedules were followed within reasonable limits and the schedule for the next round has been approved.

The Accreditation Sub-committee met during the meeting after the daily sessions and was attended by the organizers Angeles G. Borrego for the DOMVR and Isabel Suárez-Ruiz for the CBAP; the Accreditation Subcommittee: Deolinda Flores, Chair and representative from Commission I; Paul Hackley, representative from Commission II; Magda Misz-Kennan, representative from Commission III; The external expert Paddy Ranasinghe and; the President Petra David.

The discussion focussed on the need to implement a database with an automatic system for data input and data treatment. This need is essentially based on the convenience to replace the present system of evaluation, based on the existing data base and excel sheet calculations, which is prone to undesirable mistakes. In addition there is an enormous amount of work involved in the evaluation of the data with the increasing number of participants. This is particularly complex in the case of SCAP due to the high number of participants and in the case of CBAP due to the complexity of the evaluation which involves many parameters and additional pre-calculations of the data.

At the date of the meeting the Council only counsidered one proposal from one company to develop a specific program for ICCP Accreditation Programs. The proposal represented significant costs for the ICCP and the discussion focussed on possible options which could meet our needs at a lower price. The steps to be followed are: 1) write down the specifications and needs of the Accreditation Programs in order to obtain more quotes for the database; 2) If all the costs are elevated, search for other options representing a less professional approach; 3) ask Ralf Delzepich to implement the on line registration for the Accreditation Programs; 4) try to alleviate the work of the organizers in the meantime and; 5) present a recommendation to the General Assembly next year in India that could be approved.

10. ICCP TRAINING ACTIVITIES

Henrik I. Petersen, coordinator of the ICCP training activities, presented the main developments during the year regarding the training activities of the ICCP in the Opening Plenary Session of the General Assembly. A general training course on organic petrology took place the 10th -14th June at the Helmholtz Centre of the German Research Centre for Geosciences GFZ. A comprehensive report was presented to the audience including the input from the participants. The course was considered a success with very positive comments about the trainers, the venue, the duration of the course and the notes received. Some request to have courses in specific topics such as Dispersed Organic Matter and more industrially-oriented courses were received. Also request for more practical training was received. The discussion centred on running of future courses and the issues on which the ICCP courses should focus. The proposals for next year presented and accepted by the General Assembly are as follows:

A 4 day course (16th - 19th September) comprising one-day excursion will take place prior to the ICCP Meeting at the CSIR-National Laboratories in Dhanbad (India), the heart of the coal mining district. The course will deal with **Organic Petrology for Industrial Applications** and the trainers will be Isabel Suárez-Ruiz and Walter Pickel. The course notes need to be developed and should be accepted by the Training Subcommittee before holding the course.

A 5 day training course in Dispersed Organic Matter comprising extensive practical sessions will be held in Potsdam (23rd - 27th June). The trainers will be **João Graciano Mendonça Filho and Angeles G. Borrego**. The base notes for the course will be those of the 2011 course on the same topic, which will be updated. The updated version should be accepted by the Training Subcommittee before holding the course

The courses will be announced in the ICCP webpage before the end of the year.

11. Registration of ICCP and Revision of the Statutes

No major advances occurred during the year regarding registration of the ICCP as a society in Canada. The main requirements were published in the ICCP News #54 (pg. 8). It is intended to speed up this process and get a lawyer as soon as possible. The lawyer will advice on appropriate attorney to run the procedure and act as the British Columbia director. The following step will be the registration of name and organization and check that the Statues fit within Canadian law. Afterwards the revision of Statutes for bylaws should start. This is expected to occur before the end of the year 2013.

A first document for revision of the statutes will be prepared by Stavros Kalaitzidis considering the comments received for modifications of the actual statutes (ICCP News #34 from 2005) and meeting the requirements of the Canadian Law. The draft is expected to be discussed during the next meeting.

12. Website

This issue was dealt at the Closing Plenary Session of the General Assembly of the ICCP in which Petra David presented the new layout of the ICCP Webpage. The layout is simpler and accords with new trends in webpage layouts. The proposal of Ralph Delzepich is to close the old webpage as soon as possible. The next steps will be: 1) Checking and testing of website until end of September; 2) Videoconferences to present the functionality of website; 3) Request completion of work before end October 2013; 4) Investigate the possibility to get website hosting in conjunction with database; 5) Investigate other opportunities for website maintenance. The new layout for the ICCP webpage received compliments from the General Assembly.

13. Reports From the Commission Meetings

Reports of the meetings of the Commissions were presented during the Closing Plenary Session on Thursday 29th September by Isabel Suárez-Ruiz (Chair of Commission III), Paul Hackley (Chair of Commission II) and Deolinda Flores (Chair of Commission I). The minutes of the Commissions are presented in Appendix 1.

The President congratulated Chairs, Secretaries, and Convenors of the 3 Commissions for their continuous work. Again, they performed extremely well and the results achieved during the year were remarkable. The president noted that this is only possible because members actively participate in the round robin exercises and especially encouraged the new members to take part in the different Round Robin exercises.

14. Report From the Council Meetings

The minutes of the Council Meetings comprising the resolutions which were adopted at the Meeting are given as Appendix 6. Most of the issues discussed were presented to the General Assembly in their respective topics.

In addition a proposal for a student grant to attend the ICCP courses was presented to the General Assembly. The proposal is intended to cover the registration fee and travelling and accommodation costs up to a maximum of 1000 €. The proposal was approved by the General Assembly but the call will be postponed until the protocols for submission and the selection rules have been approved by the General Assembly. The draft is to be prepared by the Grant Subcommittee consisting of Stavros Kalaitzidis, Paul Hackley, Magda Misz-Kennan and Mária Hamor-Vidó.

15. Arrangements for 2014 Meeting

The presentation for the meeting in Kolkata was presented by Dr. Ashok K. Singh. The meeting will be held in the Science City, Salt Lake, Kolkata between 20th and 27th September 2014. The last day will be devoted to a symposium on the topic "Application of Organic Petrography for Power & Steel industries-our preparedness for facing the challenges in coming decades". It will be possible to register for the ICCP comprising the Symposium or just for the Symposium with a separate fee. The sessions meeting will be preceded by an ICCP course and will be followed by a two days excursion to the Sundarban Delta, a UNESCO world heritage site in West Bengal. A number of

sponsors coming from the private and public sector are expected for different activities during the meeting. Further details on the costs will be provided soon. Kolkata is a well-connected city with most international airports world-wide and with major Indian cities. The town has numerous tourism attractions such as Dakshineshwar Temple, Fort William, Victoria Memorial, National Library and Nicco Park. It is recommended to seek accommodation close to the Science City, which also has a number of attractions. Hotels at different cost will be available to cover all the needs. Ashok's presentation finalized showing some nice views of the Sundarban Delta and expecting participants to attend the meeting.

16. CLOSING

The Closing Plenary session of the ICCP General Assembly finished thanking the executive chair of the organizing committee Dr. hab. Magda Misz-Kennan and the ICCP Members who cooperated in the organization as well as the members of the staff of the University and the undergraduate students of the Faculty of Earth Science of the University of Silesia for a perfectly organized meeting in which they took any action to meet our needs. The meeting ran smoothly throughout the week.

17. SYMPOSIUM

On Friday the ICCP symposium on Advances in Coal and Organic Petrology and Geochemistry was held. The morning session was chaired by Prof. Barbara Kwiecińska and Dr. Isabel Suárez-Ruiz and the afternoon session by Dr. Thomas Gentzis and Prof. Monika Fabiańska. The Symposium Program is given as Appendix 7.

18. SOCIAL PROGRAMME AND FIELD TRIP

The social program was initiated on Sunday afternoon with an ice break party at the hall of the Earth Sciences Faculty of the University of Silesia. We had the chance to interact with each other intensively during the meeting because also lunch was provided every day by the Organizing Committee. The schedule of the meeting was slightly modified in order to accommodate a visit to the Tyskie Brewery (Browary Tyskie in Tychy) on Monday afternoon. There we enjoyed a guided visit to the Brewery installations and the museum and they presented us with a beer glass and a pint of beer.

The ICCP banquet took place on Thursday afternoon, after the sessions in the "Sztygaraka" Restaurant in Chorzów, where we enjoyed delicious traditional Silesian food. Magda Misz-Kennan took the opportunity to thank all the members of the Organizing Committee for their support in the Organization of the Meeting and Prof. Barbara Kwiecińska congratulated of having a successful meeting organized in Poland again. The President Petra David thanked on behalf of the ICCP the organizers for all their efforts in every aspect of the organization of the meeting. We were liven up during the dinner with "in vivo" music and at the end participants danced enthusiastically.

Field Trip to the Ojców National Park by Stavros Kalaitzidis

The ICCP field trip took place on Saturday 31st of August. Thirty ICCP delegates had the opportunity to visit both cultural as well as mining sightseeing areas in the broader Silesia Region.

Our first stop was in Ojców National Park, which extends in a karst terrain with amazing limestone cliffs. There, we visited the Castle of Pieskowa Skała, which was built in the 14th century as part of the broader Orle Gniazda (Eagles Nests) fortifications of that time. Nowadays it is a Museum hosting a beautiful collection of Gothic, Renaissance and Baroque articles, such as paintings, sculptures, furniture as well as tools from the daily life of the local people through the 14th - 19th centuries.

The 2nd stop for the day was in Tarnowskie Góry district to visit the Silver Mine. The Tarnowskie Góry ore district is part of the Silesian-Cracovia Zn-Pb ore region. The deposits occur in ore-bearing dolomites of middle Triassic, with argentiferous galena being the main mineralization. The mine operated from the 16th century until 1912, when the deposit was depleted. The silver mine opened the gates as a Museum in 1957. The participants had the chance to visit the over-shaft building, explore a beautiful mineral collection and buy specimens from the Museum shop, as well as take a touristic tour for a distance of 1700 m and 40 m below

surface to explore the mining developments over the last 400 years; the trip ended with a surprising boat tour over a distance of 270 m.

Since the geological part of the tour was completed the participants were ready to enjoy local gastronomic pleasures in the Carlos Restaurant in Tarnowskie Góry, and also enjoy local beers. The enjoyment continued with traditional Polish spirits up to the Castle of Ogrodzeniec, which also served as a fortification unit, although it was totally destroyed in the 17th century and today only ruins remain. The group photo was taken in front of the romantic Castle ruins, just before the participants say goodnight to a really enjoyable field trip.

Special thanks to Leszek Marynowski, Maciej Rybicki, Justyna Smolarek for organizing and leading the trip.

SUMMARY OF APPENDICES

Appendix 1 Minutes of the Commission Meetings
Appendix 2 List of participants
Appendix 3 New Members
Appendix 4 Treasurer
Appendix 5 Editor
Appendix 6 Council
Appendix 7 Symposium Programme

Minutes of the 65th Meeting of the International Committee for Coal and Organic Petrology (ICCP)
August 25 - 31, 2013, Sosnowiec, Poland

Appendix 1 - Commission Minutes

Minutes of Commission I

General Coal and Organic Petrology
65th ICCP Meeting, Sosnowiec, Poland
August 25 - 31

Chair: Dr. Deolinda Flores
dflores@fc.up.pt
Secretary: Dr. Stavros Kalaitzidis
stavros@integralrc.com

Opening remarks

The Commission I meeting was held on the afternoon of Wednesday the 28th and the morning of Thursday the 29th of August and was attended by 36 and 45 members, respectively. The Chair outlined the programme for the sessions and presented a short overview of the Commission's activities during the last year, including a short report for the Working Group of Temporal Variations of Coals.

The session of Com I this year initiated at 14:45 with the Microscope Session.

Microscope session

Commissions I and II held a joint microscope session on Wednesday the 28th of August and 36 participants attended the session. Carl Hilgers provided the microscope facilities and Magdalena Misz the excellent projecting facilities so that all the attendees could simultaneously observe.

Carl Hilgers (info@hilgers.com) presented the Quick Scan Technique, which is a development stage of the Hilgers-Fossil Software. He went through all the steps for scanning fast a polished block and being able to perform reflectance measurements afterwards. The steps include, setting up the scanning conditions, imaging by applying autofocus, online measurements, acquiring reflectance values across the scanned area, providing a mosaic scan for maceral analysis and reflectance measurements, exporting images. Apart from providing a fast overview of the specimen, the software enables the imaging of every measured particle/point. Additionally the user can acquire to visualise all the particles at a single reflectance value, making it a valuable training tool for the Student-Fossil.

Walter Pickel, commented on the autofocusing method, which is based on homogeneity patterns along the polished surface, raising the issue that at this stage the software doesn't provide control over the homogeneity, and perhaps this should be handled in an upgrade of the system.

The Microscope Session continued with Antonis Bouzinos presenting the Triassic coals from the Surat Basin (Australia) that will be used to the Suberinite WG. The attendees discussed the

features of the suberinite and its association or not to corpogelinite within these particular samples. The Suberinite WG will try to provide some clearance on this issue.

Angeles G. Borrego presented the sample from the Palynofacies WG and the discussion was focussed on the content of Telovitrinite versus Detrovitrinite, as well as on identifying sporinite and cutinite within the block. The participants agreed that it is common practice among the petrographers to "identify macerals by association" while counting.

Ashok Singh presented a sample from the Saurashtra basin in Western India, in order to check on strong fluorescent particles, which apparently represent mineral matter. It was agreed that the sample should be analysed with SEM in order to identify the particles.

Finally Walter Pickel presented a Kimmeridgian oil shale and the participants had the opportunity to observe a liptinite-rich sample that displayed variable fluorescent intensities. During the discussion that followed the general consensus was that it is necessary to use fluorescent mode when examining low and middle rank coals and DOM.

Commissions I and II would like to thank Carl, Antonis, Angeles, Ashok and Walter for their contribution in this successful session.

Temporal Variations in Coal WG

Lopo Vasconcelos

Although this WG is not active any more, Lopo continues to add new data into the database, which now reaches in total 11809 maceral data entries from 73 countries and territories. ICCP Members are encouraged to use the Database and/or to add any new data that become available by conducting either Lopo or Com I Chair/Secretary.

Commission's I session continued on Thursday 29th of August with the presentations of the following WG's:

- SCAP - Single Coal Accreditation Program
- Standardization Working Group
- ISO Standard
- Suberinite Working Group
- Petrographic Image Database
- Reflectance & Terminology of Zooclasts in old sediments
- New methodologies and techniques in organic petrology WG
- Micro-FTir WG
- New Handbook Editorial Group
- QEMSCAN
- Liptinite Editorial Group
- Distinguishing Features of Macerals Editorial Group
- ICCP Electron Microprobe Handbook
- Oxidation Editorial Group

Single Coal Accreditation Program

Kimon Christanis

Kimon didn't attend the Meeting, however he submitted the SCAP Report to the Accreditation Subcommittee and Deolinda presented on behalf of Kimon the final report of the 2012 SCAP round.

The 2012 SCAP exercise was announced in February 2012. Invoices were sent out in March 2012 and the samples and instructions in April 2012; 6 block samples for the new participants in the program and 2 bulk coal samples for the continuing participants. The participants had to measure the following parameters:

- Vitrinite random reflectance (VR)
- Vitrinite content (VC)

The deadline to submit the results was end of October 2012. By end of January 2013 the participants received the certifications and the list of accredited petrographers was updated on ICCP webpage (http://www.iccop.org/index.php?id=26). In total 110 analysts were registered in the 2012 SCAP from 51 laboratories located in 23 countries; however, 109 sent results. There is a constant increase on the number of participants during the last 8 years (in 2006 only 82 petrographers applied), due to an increased employment across commercial laboratories. Seventy of the 2012 participants continued the exercise in 2012, whereas 39 were new entries, which is very encouraging. It is interesting to note that only 43 participants are members of ICCP, whereas the remaining 66 are non-members.

The geographic (concerning continents) distribution of the participants was: Oceania 34 %, Europe 30%, North America 12%, South America 10%, Africa 8% and Asia 6%. For the first time SCAP obtained registrations from Mexico, Mongolia, Switzerland and Turkey.

The Screening Method for Beginners (SMB) was presented, according to which after the first run

of evaluation if the "Beginners" are not accredited their values are checked; if their UMSD is beyond ±3SD all the results of these participants are excluded from the database and subsequently from the final evaluation.

For this year 98 participants were accredited for VR and 11 failed (10 before and 1 after the SMB), whereas for VC 101 were awarded accreditation and 8 failed (all before the SMB). The statistical evaluation of the VR results reveals that the unsuccessful participants, failed due to calibration problems. Hence, it is highly recommended that their standards being checked against the ICCP Reflectance Standards. Although the impact of failure in VR is not very significant to the database, it is not the same for the failure in VC, which significantly affects the database. Since the protection of SCAP coal databank is always a concern 4 VR and 36 VC data were excluded from the database. It was also noted that participants from same labs reported similar results; hence there is a need to send different samples in the cases of multi participation from one lab.

Deolinda also presented statistical evaluation of the results since 1993 and it was evident that in some coals enormous SD values were recorded.

The next exercise will commence in 2014, with the announcement in February 2014, and the deadline for submitting the results being September 2014. A significant change to the next exercise will be that the SMB will be also applied to participants that continue the Programme and not only to the "Beginners".

Finally, the Members of the Accreditation Sub-Committee Deolinda Flores, Paul Hackley, and Magdalena Misz-Kennan, the ICCP Treasurer Jen Pearson, Angeles Gómez Borrego, Isabel Suárez-Ruiz and Kimon's students George Siavalas and Görkem Oskay are acknowledged for their valuable support.

During the discussion that followed Nikki Wagner mentioned that it is a surprise that more non-ICCP than ICCP members are participating. This can be a result of the ICCP courses, which definitely benefit the students, and that ICCP can advertise more both the Accreditation activities and the ICCP Courses. Deolinda reminded the ICCP service for the Standard Checks as it is evident that there are calibration issues in several cases. Also she encouraged the petrographers, experienced or not, to participate, since the SMB can protect the integrity of the database. Walter Pickel suggested that participants who failed will benefit by attending the ICCP courses. David Pearson also commented to the possibilities of wider advertisement of SCAP to attract more participants. Finally Isabel Suárez Ruiz proposed, and it was agreed, that since now the coal pool has many samples, some of them creating issues due to high SD, these coals could be removed from the pool. Commission I would like to thank Kimon for his efforts in managing the SCAP 2012 Exercise.

Standardization WG

Walter Pickel

Walter Pickel presented a very short report from the continuation of the 2010 Standardization Exercise, according to which the participants had to report the maceral-subgroups of the vitrinite group; the exercise is in a form of a pdf file with 47 images, annotated with 250 macerals. Previous reports (*see ICCP News 56, p.11*), as well as the exercise files are located in ICCP Webpage (http://www.iccop.org/index.php?id=120).

During the discussion Petra David noted that it is a very well set-up exercise and definitely the results can be used also for the Distinguishing Features Editorial Group. For next year this exercise could be presented during the microscope session, with particular emphasis on the cases that the agreement was low.

It was agreed that an announcement will be circulated through email to the ICCP Membership list to remind Members to conduct this exercise. Commission I anticipates that a lot of ICCP Members will participate in order to obtain solid conclusions on our performance on sub-group levels.

All members are encouraged to do the exercise in the following months and please contact Commission if you have issues downloading the files (http://www.iccop.org/index.php?id=120).

Commission I thanks and congratulates Walter for his dedication conducting the Standardization round robin exercises.

ISO Standard

Walter Pickel

Walter discussed the status of the "7404-1 ISO Standard - Vocabulary". Three parts (2, 3 and 5)

have been revised and published by ISO. The Standard now covers analyses on coals of all rank. The previous version covered bituminous coals and anthracite only. Parts 1 and 4, Part 1 - Vocabulary and Part 4 - Method of determining microlithotype, carbominerite and minerite composition, would need to be updated to the level of the already revised ones.

Walter presented the "Vocabulary" chapter with the 2013 edits from the WG volunteers (Paul Hackley, Peter Crosdale, Antonis Bouzinos, Isabel Suárez Ruiz, Stavros Kalaitzidis, Angeles G. Borrego, Judith Potter and Shifeng Dai). The Chapter has been sent to ISO for approval.

For 2014 Walter asked for volunteers to edit the "Part 4 - Method of determining microlithotype, carbominerite and minerite composition". Nine Members expressed their interest to participate: Angeles G. Borrego, Barbara Kwiecińska, Mária Hámor-Vidó, Yuegang Tang, Ashok K. Singh, Iwona Jelonek, Nikki Wagner, Stavros Kalaitzidis, Deolinda Flores.

During the discussion Mária Hámor-Vidó commented that there are several national standards in Europe that still refer to the terms of "Bituminous coal" and "Anthracite" and that the new ISO chapter should have a detail explanation in the foreword why these terms are omitted. Walter Pickel noted that the new ISO chapter keeps the previous terms in brackets.

Barbara Kwiecińska questioned why not to refer to the Micro-lithotype classification that Monica Wolf introduced, however as Walter responded the ISO is not referring to classification issues but rather to the method used to determine the microlithotypes.

Commission I thanks Walter and the WG participants for their efforts in delivering the ISO Standard.

Suberinite WG

Peter Crosdale & Antonis Bouzinos

Antonis Bouzinos continued the presentation of the Suberinite WG and provided a short overview of the first exercise. The relative documentation is available on ICCP webpage. The problematic key issues in Suberinite identification were discussed during the Microscope Session.

There was no activity during 2012 but a new exercise is underway and will be communicated to the WG Members within the year. Photomicrographs from the new 2013-2014 exercise were presented and discussed and it was evident that structure is a key element for many members in discriminating among suberinite and bituminte and/or liptodetrinite.

The new exercise will be soon available from the ICCP website. It was commented also to accompany the photomicrographs with the imaging parameters so that the participants can have a better understanding of the fluorescent mode.

Anyone interested in participating in the new exercise please contact Peter (peter.crosdale@energyrc.com.au).

Commission I thanks Peter and Antonis for convening this very interesting WG.

Petrographic Image database

Johan Joubert, Ralph Delzepich, Paddy Ranasinghe & Paul Hackley

Due the fact that the new ICCP Webpage was not implemented this year there was no activity in this WG.

However, Paul Hackley presented the USGS Organic Petrology Photomicrograph Web Atlas, http://energy.usgs.gov/Coal/OrganicPetrology/PhotomicrographAtlas/ASTMCoalMaceralClassification.aspx as an example of ideas for the development of the ICCP Image database.

The USGS Atlas incorporates 1,100 photomicrographs of organic material in coal and shale and presents the ASTM and ICCP classifications. An interesting aspect is that 35% of the people visiting the site are interested in the ICCP classification of macerals.

Commission I realises the need to speed up the processes in the direction of creating a functional platform for the Image Database and thanks Johan, Paddy and Paul for all their efforts.

Reflectance & Terminology of Zooclasts in old sediments

Thomas Gentzis

Thomas Gentzis presentation focused on "The Relationship between Graptolite Reflectance to other Geochemical Maturity Indicators". He discussed previous studies on Rock-Eval data of graptolite-bearing strata, on the effect of graptolite orientation and texture on reflectance measurements, on correlating reflectance between

graptolites and pyrobitumens, as well as on the graptolite reflectance differences between cuttings and core samples.

In his conclusions he pointed that Graptolites are plotted to Type II kerogen area in Rock-Eval analysis, although they consist from chitin. Activation energies also suggest that graptolites act like Type II kerogen. Graptolite orientation has an important effect on measured Ro, and finally that graptolite reflectance measured in cores gets usually higher values than the one measured in cuttings, at the same depth.

During the discussion Carla Araujo commented on the possible correlation between activation energies and the maturity level. Mária Hámor-Vidó also mentioned that the presentation of Thomas can also add value to Commission II activities.

For 2014 Thomas plans to circulate samples (pending on approval) to the WG members and a series of photomicrographs as a guide. The object of the exercise will be to identify and characterize the zooclasts and to perform reflectance measurements. A more detail plan has been published in ICCP News vol. 56, p.15.

Members, who are interested to participate in the activities of the WG please contact Thomas (Thomas.Gentzis@corelab.com).

Commission I would like to thank Thomas for his very interesting presentation.

New Methodologies and Techniques in Organic Petrology WG

Lila Gurba

Lila presented a quick overview of the history and a summary of the activities of this WG from 2003 onwards. Significant part of the presentations and documents are available on the ICCP webpage.

For future activities Lila plans to edit a 2nd Edition of the White Paper on New Methodologies and Techniques on Organic Petrology, as well as to engage ICCP Members to contribute with ideas on emerging issues, e.g. shale gas and the understanding of the shale's microstructure using petrography. For this purpose she presented a template that can be used for future contributions. In the second part of the presentation Lila, presented a study by Ali Al-Farsi from the University of New South Wales, with the title "Shale Gas Characterization - Geo-Engineering Study". The objective of the presentation was to review some of the methods to estimate thermal maturity and Total Organic Carbon (TOC) in shales from geophysical logs. Several methods and concepts were presented on how to estimate the above parameters using sonic, neutron and density logs. The current techniques available for porosity characterisation in shales, along with gaps in pore system understanding were also discussed.

In the follow up discussion Thomas Gentzis commented on some advanced UltraPore Porosimeter available at Core Laboratories to measure ultra-pores in shales.

Closing her presentation Lila acknowledged all the participants during the years and proposed the establishment of a New Directions in Coal & Organic Petrology Scientific Advisory Committee for the purposes of this WG. Several ICCP Members accepted to be involved and Lila will communicate with them to present a new working plan for 2014. The current list includes the following members: Carla Vivien Araujo, Brian Cardott, Thomas Gentzis, Grzegorz Nowak, Ilona Jelonek, Krystyna Kruszewska, Barbara Kwiecińska, Judith Potter, Sławomira Pusz, Govand H. M. Shervani, Ivana Sýkorová, Nicola Wagner and Lila Gurba.

Commission I encourages Members to present within this WG research summaries in the broader field of coal science, in which organic petrography could be a significant input. Interested parties please contact Lila (l.gurba@unsw.edu.au) during the year.

Commission I thanks Lila for her ideas and efforts in this WG.

Micro-FTIR WG

Kuili Jin, Yuegang Tang, Shaoqing Wang, Lei Zhao

This WG was established in 2012 in Beijing and Yuegang Tang presented the WG's activities for this year.

His presentation outlined a project to characterise coals of different rank by applying Micro-FTIR. He presented references of scientific papers dealing with FTIR, some information about the instruments used, and preliminary results of Micro-FTIR spectra on a coal-rank range between Rr% 0.32-3.81 (lignite to anthracite). Examples of vitrinite structural parameters that can be derived from Micro-FTIR spectra by applying curve-fitting

algorithms using PeakFit software were also discussed.

The preliminary results are promising for a very interesting WG and the Convenors plan to circulate the tested samples to the WG members for a comparative study and to address methodology issues. The convenors would like also to get more samples in the range of Rr% 1.60-3.8.

Four Members expressed their interest to participate in this WG, Mária Hámor-Vidó, Morga Rafal, Joanna Komorek and Isabel Suárez Ruiz.

Commission I would like to thank Kuili Jin, Yuegang Tang, Shaoqing Wang and Lei Zhao, for their initiative, effort and interesting so far results.

New Handbook Editorial Group

Ivana Sýkorová, Isabel Suárez Ruiz & Kimon Christanis

Deolinda presented the status of the New Handbook as well as the structure on the webpage:

i. Chapters that have been revised, formatted and uploaded on the webpage (secure part) since May 2012 are: Lithotypes in low- and high-rank coals (Chapter 3), Inertinite (Chapter 5.4) and Definitions (Chapter 2).
ii. Chapters that are revised and have been uploaded on the webpage: Hydrogenation residues definitions (Chapter 8.1), Graphite, Semigraphite, Natural coke, Natural char (Chapter 9 - Other terms).
iii. Revised chapters to be uploaded soon on the webpage: Huminite (Chapter 5.2) and Vitrinite (Chapter 5.1).
iv. New versions that were edited and formatted according to the template and also reviewed by two reviewers: TEM microscopy (Chapter 7.12, written by Barbara Kwieciska & Sławomira Pusz), SEM microscopy (Chapter 7.13, written by Barbara Kwiecińska & Sławomira Pusz), Pyrolytic carbon (Chapter 9 - Other terms, written by Barbara Kwiecińska & Sławomira Pusz), Oxidation (Chapter 9 - Other terms, written by Jolanta Kus & Magdalena Misz-Kennan).

The following reviewers assisted in the process: Krystyna Kruszewska (University of Silesia, Poland), Maria Mastalerz (Indiana University, USA), Stanislaw Duber (University of Silesia, Poland), Jim Hower (University of Kentucky, USA), Fari Goodarzi (Canada) and Carlos Sá (CEMUP, Materials Centre of the University of Porto, Portugal). Com I appreciates and is grateful for the valuable contributions of all these reviewers to improve the manuscripts prepared by the conveners.

Remaining Chapters in progress that require extensive revision and edits are: Introduction (Chapter 1), Microlithotypes (Chapter 4), Classification of DOM (Chapter 6), Methods (Chapter 7), Coal Utilisation (Chapter 8), Other terms (Chapter 9), ICCP services (Chapter 10). ***The Editorial Group seeks for volunteers to assist with finalizing these Chapters.***

The EG raised the question on how to proceed and also emphasized to the need for more members and experts being involved.

During the discussion it was suggested to post on the webpage everything that is ready and actually introduce two levels: "finalised" and "under revision" or "incomplete".

It was also agreed that the ICCP maceral classifications (Huminite, Vitrinite, Inertinite) should be published as a single file in the ICCP website and Commission I will act upon this.

The Editorial Group urges ICCP Members to visit the website and comment on the revised texts, in order to finalize the Handbook. For more information please contact Ivana (sykorova@irsm.cas.cz), Isabel (isruiz@incar.csic.es) or Kimon (christan@upatras.gr).

Commission I thanks Isabel, Ivana and Kimon for their efforts on publishing the Handbook.

QEMSCAN Editorial Group

Sandra Rodrigues

Sandra proposed to include a chapter on "Coal Mineral Matter characterization by QEMSCAN" in the Handbook and in her presentation she outlined the principles and the steps of the technique. QEMSCAN (Quantitative Evaluation of Minerals by Scanning Electron Microscopy) is an automated system that performs phase recognition in a microscale. It generates quantitative mineral analysis, particle images and mineralogical maps, using backscattered electron (BSE) and energy dispersive X-ray (EDX) signals from a scanning electron microscope (SEM). Sandra discussed the methodology on blocks and the parameters of the measurements that affect the acquisition accuracy. The advantage of the technique is that it can provide relationships between mineral and organic

matter.

Participants in this EG will be Joan Esterle (University of Queensland, Australia), Rogerio Kwitko-Ribeiro (Centro de Desenvolvimento Mineral- Vale, Minas Gerais, Brazil), and Leonardo Salazar and Patricio Jaime (FEI, Australia).

During the discussion Lila Gurba suggested to Sandra to contact also CSIRO staff in Australia, since they also work on the subject. Nikki Wagner mentioned that QEMSCAN is beneficially not only for coal studies but also in fly-ash studies and hence she is supportive of the inclusion of the chapter.

At the end Sandra also referred to the Raman Spectroscopy Chapter, which is planned to be presented in 2014.

Commission I would like to thank Sandra for her presentation and initiative.

Liptinite Editorial Group

Walter Pickel, Jolanta Kus & Peter Crosdale

Walter presented the progress of the Liptinite Editorial Group. During the year additional text was compiled, valuable discussions took place regarding bituminite, Jolanta provided new photomicrographs of bituminite, and Deolinda Flores assisted with references in completed format.

Commission I has the Chapter and the aim for 2014 is to prepare a version for the handbook with many photomicrographs and at a second step a version for International Journal of Coal Geology with limited number of photomicrographs.

The Chapter will be soon in the webpage for Members to comment and the plan is to have a final version for voting next year in India.

Commission I congratulates Walter, Jolanta and Peter for their work on the Liptinites chapter.

Distinguishing Features of Macerals EG

Walter Pickel

This Editorial Group was established in 2012 in Beijing, China with the scope to write/compile a glossary of distinguishing features for all macerals. Walter presented an extract from the Australian Standards AS 2856, as an example of the approach that could be implemented. The example related to the differentiation between Telovitrinite and Detrovitrinite. Twenty-one Members expressed their interest to participate, and within 2014 Walter will circulate a plan of work among the members of the EG.

Commission I thanks Walter for his efforts.

Electron Microprobe Analyser (EMPA) EG

Lila Gurba & Maria Mastalerz

Lila presented an overview of the status and the structure of the Electron Microprobe Handbook. In order to introduce the EMPA technique and to provide technical support and information on the application of electron microprobe techniques in coal petrology, the Electron Microprobe Working Group was created within Commission II of the International Committee for Coal and Organic Petrology (ICCP) at the meeting in Rio de Janeiro, Brazil, August 2000 (ICCP Newsletter 22, 2000) with Lila Gurba and Maria Mastalerz as Co-convenors. During 2000-2002 the WG conducted inter-laboratory comparison of electron microprobe analyses of light elements, and worked on the elementary theory of electron microprobe, the calibration of standards as well as on specimen preparation.

Part I of the Handbook, refers to the Instrument, including capabilities, limitations, development of analytical protocols, standards etc., and Part II, to Coal Macerals and Source Rocks Studies using EMPA. Additionally, references and recommendations to ICCP are included. Lila also commented on the advantages of using the technique and the value of the obtained results. The electron microprobe gives a unique opportunity to investigate simultaneously both the chemistry of coal macerals (C, O, N, S), and the major, minor, and trace elements present in the mineral matter of the same coal sample. Additionally, EMPA analysis can add significantly in rank studies, in determining chemical reactions that affect combustion or gasification processed, as well as provide a way for detail mapping of cleats and other mineralization that may affect shale gas and coal seam gas drainage, or CO_2 geological storage.

Lila suggested also that EMPA results could be utilised in a future step to update the classifications of Vitrinite (ICCP, 1998) and Inertinite (ICCP, 2001), and Liptinite (in prep.) on elemental composition of macerals.

The Handbook is ready to be sent for revision.

Commission I thanks Lila for her efforts on compiling the EMPA Chapter.

Oxidation Editorial Group

Jolanta Kus & Magdalena Misz-Kennan

Jolanta presented the text of the Oxidation Chapter, which is structured in 9 chapters. The Chapter is in the final editing and reviewing stages and it is anticipated that will be finalised by the end of 2013. Once finalised it will be uploaded in the secure part of the ICCP for reviewing by the ICCP Members and it will be submitted for voting in 2014 Meeting.

Commission I congratulates Jolanta and Magda for their work on the Oxidation Chapter.

Closing Remarks

Deolinda Flores and Stavros Kalaitzidis closed the Session of Commission I. ICCP Members were reminded to provide new data to Lopo for the Temporal variations of coals WG, particularly from new countries and areas as they become available in the literature (e.g. Mongolia and Antarctica). Stavros mentioned that the Final Report of the Peat Working Group is in progress and the Members of the WG will receive the first draft in 2014.

ICCP Members were also reminded that the following Commission I Services are available for the Coal Petrography Community:

- Single Coal Accreditation Program, SCAP - Kimon Christanis (christan@upatras.gr).
- Reflectance Standard Checking: The service to check standards against the ICCP Reflectance Standard continues available from Dave Pearson, Walter Pickel and Gred Bieg (USD 50 and free for ICCP members).

As per final remarks Commission I would like to encourage ICCP members to visit the webpage, since a lot of data and information from the WGs have been uploaded http://www.iccop.org/index.php?id=19. The presentations of the Meeting are also available in the secure area of the webpage, and the convenors of the various WGs are encouraged to check and update regularly the web material.

Commission I greatly acknowledges Igor Viegas for his support in updating the webpage. Finally, Commission I would like to thank all the participants of the sessions for their active participation that resulted in a successful Meeting.

Minutes of Commission II

Geological Applications of Coal Petrology
65th ICCP Meeting, Sosnowiec, Poland
August 25 - 31, 2013
Chair: Paul Hackley
Secretary: Jolanta Kus
J.Kus@bgr.de

Monday - 26th August

15:00-15:10 - Opening address - Paul Hackley & Jolanta Kus

The opening address of ICCP Commission II, Geological Applications of Coal and Organic Petrology, began with a warm welcome followed by a short presentation of the work schedule of Commission II for Monday and Tuesday. Paul drew attention to training materials available within Commission II such as the training kit for identification of anthropogenic particles, for measurements of vitrinite reflectance in DOM, and a training kit for measurements of spectral fluorescence. He also stressed the importance and necessity for the acting working group (WG) convenors to provide webpage updates for the WGs to the Commission II Chair or Secretary.

The Commission II meeting started on Monday August 26th at 15:00 in the main Conference Room, Department of Earth Sciences Building, Silesia University, Sosnowiec, and was attended by 41 participants.

15.10-15.45 - **Thermal Indices WG** - *convenor: Carla Araujo*

Carla presented results of the final exercise (2011-2013) of this WG, performed on Upper Devonian Ohio Shale Formation, Huron Member samples kindly provided by Paul Hackley and Robert T. Ryder from the USGS. The objective of the exercise was to evaluate rank by VR measurements and spectral fluorescence parameters of telalginite, to compare results and check correlations as well as deviations, and to evaluate the response of spectral curves with VIRF. The exercise was carried out on a suitable maturation series comprised of three samples and was performed by 18 participants.

The results showed that mean random vitrinite

reflectance measurements carried out by 17 participants presented the highest level of reproducibility for low maturity sample C3 with reproducibility weakening with increasing maturation in samples C5 and D5. For corrected fluorescence spectra, the results provided by 14 participants, presented a fair to good correlation. The measured fluorescence parameters are in good agreement with vitrinite reflectance for low maturity mature sample C3 but indicate higher maturity than vitrinite reflectance for the two remaining samples (C5 and D5). A distinct improvement in the reproducibility of corrected spectral fluorescence curves was successfully achieved when compared with similar older investigations (Araujo et al., 1998) attributable to optimized performance of newer photo-optical measuring systems. In addition, a strong linear correlation between λ_{max} and T_{max} for this maturation series was observed. When compared with literature data on Devonian samples a red shift in λ_{max} was observed beyond the 0.65 % VR.

The convener presented a second version of a prepared manuscript discussing the results of the final exercise of the WG. The final version of the manuscript is to be completed by the end of September for submission in a peer-reviewed journal. Carla would like to express her thanks to past conveners of the WG, to all of the participants, to the sample providers, and to those who prepared the samples for analysis.

Commission II thanks Carla very warmly for her outstanding work carried out within the WG and extends congratulations for her fantastic encouragement and her always motivating approach.

Araujo, C., Vieth-Redemann, A., Pradier, B., Kalkreuth, W., Gomez Borrego, Á., Gurba, L.,Hagemann, H., Hufnagel, W., Koch, M., Kuili, J., Laggoun-Defarge, F., Lo, H., Newmann, J., Spanic, D., Suárez-Ruiz, I. and Thompson-Rizer, C. (1998) ICCP Interlaboratory Exercise on the Application of Microspectral Fluorescence Measurements as Maturity Parameters. Revista Latino Americana de Geoquimica Organica, 4:41-50.

15.45-16.15 - **Identification of Dispersed Organic Matter WG** - *convenor: Jolanta Kus*

Jolanta presented past activities of the working group since its establishment in 2005 during the ICCP Meeting in Patras, giving a short review of the performed exercises, completed reports and delivered presentations. The objective of the WG is to test the applicability and restrictions of the existing ICCP terminology of alginite and bituminite in whole rock samples. In 2013, in order to provide the participants with a suitable maturation series of bituminite with increasing rank, a set of samples of the Lower Jurassic Posidonia Shale from the Hils syncline in Lower Saxony, Germany, was prepared. Following identification and characterisation of the optical appearance of bituminite I, measurements of random vitrinite reflectance and spectral fluorescence measurements (λ_{max} and QR/G) were carried out. The results point towards minor red shift of λ_{max} and increase of QR/G with rank. Together with the described changes of optical appearance with rank, measured spectral fluorescence parameters were compared to those obtained by Teichmüller and Ottenjann (1977) for bituminous mineral-rich groundmass. The comparison allows deriving a tendency for bituminite I to show an earlier and only slight red shift of λ_{max}. The case study of bituminite I can be used to contribute towards the improvement of the state and quality of photomicrographs included in the Bituminite Sheets of the old ICCP Handbook. It can illustrate changes of optical appearance with rank, transitions from lamalginite to bituminite and enhance demonstration of bituminite forming groundmass.

Jolanta will prepare a summary of the case study supported additionally by relevant literature data. The final version of the case study will be prepared for comments and remarks by the end of this year. Further, Jolanta plans to draft a manuscript from the last two Round Robin Exercises 2009 and 2011 to illustrate current limitations of the ICCP Terminology for bituminite. The first version of the draft is planned to be distributed in the first quarter of 2014.

Walter Pickel asked if we do need bituminite II and III. Carla Araujo expressed her compliments on the participation. Isabel extended congratulations on the high quality photomicrographs and suggested to think about preparing these for an atlas. Maria Hamor-Vido requested support from Jolanta and Walter Pickel on bituminite in the DOM White Paper. Angeles Borrego stated that we are now in a much better position to distinguish bituminite from lamalginite. She also stressed to make the photographs and the identifications available to ICCP members in some manner.

Commission II thanks Jolanta for her work and

efforts that have been done in the WG.

Teichmüller, M. and Ottenjann, K. (1977): Art und Diagenese von Liptiniten und lipoiden Stoffen in einem Erdölmuttergestein aufgrund fluoreszenzmikroskopischer Untersuchungen. - Erdöl, Erdgas, Kohle, Petrochemie, 30:387-398.

The meeting finished at 16:15 on Monday, 26th August.

Tuesday - 27th August

The Commission II program resumed on Tuesday August 27th at 09:00 in the main Conference Room, Department of Earth Sciences Building, Silesia University, Sosnowiec and was attended by 36 participants.

09:00-09:40 - **CBM/CO_2 Sequestration WG** - *convenor: Lila Gurba*

Lila gave an overview of the past activities of the WG since it started in 1998, outlining the main aspects of application of coal petrology to CBM and CO_2 gas storage. The key parameters for CO_2 gas storage as based on the Carbon Dioxide Storage Atlas of the Gunnedah, Bowen, and Surat Basin Areas, Australia, (Gurba 2010) comprise coal rank, maceral type, aromatic/aliphatic nature of the coals, coal permeability and porosity, nature of cleating in the coals, microstructure and gas content. Some of the key issues presented include coal rank being an indicator of adsorption capacity of CO_2, coal rank maps identifying sites of required thermal maturity stage for thermogenic gas generation, coal permeability being a major factor in the viability of CO_2 storage sites and gas content impacting upon adsorption capacities and influencing the amount of desorbed gas.

The current and future activities of the WG compromise regular updates of worldwide CO2 storage activities, review of factors controlling adsorption capacities of coal seams and complement related database, and to contribute to SPE Guidelines for Application of the Petroleum Resources Management System.

Commission II thanks Lila for her valuable work carried out in this WG.

Gurba, L.W. 2010. Carbon Dioxide Geological Storage - Atlas of The Gunnedah, Bowen, and Surat Basin Areas in NSW, Australia. 10th International Conference on Greenhouse Gas Technologies (GHGT). Integrated CCS Systems, 19-23 September 2010 - RAI Amsterdam - The Netherlands, GHGT-10 Poster Book:277.

09:40-10:30 - **Concentration of Organic Matter WG** - *convenor: João Graciano Mendonça Filho*

João Graciano presented the results of the 2013 Round robin exercise performed on eight low rank whole rock (WR) and kerogen concentrates (KC) provided by Carla V. Araujo, Luis Vitor Duarte, Paul Hackley and André L. D. Spigolon. The objective of the WG is to study the effect of the isolation procedure on the spectral fluorescence parameters (λ_{max} and QR/G) of diverse liptinite macerals. In addition to the objectives, João Graciano performed correlation of spectral fluorescence parameters with the equivalent vitrinite reflectance (VReq), obtained from the table of Mukhopadhyay´s (1992) fluorescence parameters. The low rank samples are characterised by vitrinite reflectance ranging between 0.30 and 0.45 measured in whole rock pellets.

Based on the spectral fluorescence results provided for different components, a higher agreement of the fluorescence parameters between WR and KC samples was obtained for telalginite, i.e., for Botryococcus algae the spectral fluorescence parameters (λ_{max} and Q_{index}), the measured vitrinite reflectance (VR_o), and the equivalent vitrinite reflectance (VR_{eq}), displayed the best agreement in the table of correlation of microscopic maturity parameters from Mukhopadhyay (1992).

João Graciano proposed to perform next year's exercise on determination of fluorescence parameters solely of alginite, focusing only on telalginites (Tasmanites or Botryococcus). Carla suggested to avoid deriving an equivalent vitrinite reflectance (VR_{eq}) for liptinite macerals other than telalginite (Tasmanites) from the table of Mukhopadhyay (1992) since the correlation was designed solely for alginite. Carla also encouraged the use of other thermal indices such as the T_{max} parameter. Angeles agreed that correlations of the spectral fluorescence parameters with equivalent vitrinite reflectance are not the focus. Instead, Angeles suggested to proceed with studying the effects of the isolation procedure on spectral fluorescence parameters of liptinite macerals.

Commission II congratulates João Graciano for his well-appreciated achievements of the WG.

Mukhopadhyay, P.K. (1992): Maturation of oqanic matter as revealed by rnicroscopic methods: Applications and limitations of vitrinite reflectance, and continuous spectral and pulsed laser fluorescence spectroscopy. In: Diagenesis (Eh: K.H. Wolf and G.V. Chilingariain), Developments in Sedimentology 47, Elsevier Science Publishers, 435-5 10.

09:45-10:30 - **Dispersed Organic Matter Vitrinite Reflectance WG** - *convenor: Angeles Borrego*

Angeles presented the results of the 2012 DOMVR Accreditation Program. The fourth successive round was again completed by an expanding number of participants, with 16 new entries and 28 continuing participants. The Accreditation Program was successfully accomplished by 42 participants of whom 84% were ICCP Members. Europe, with 30% of the participants displayed the highest proportion of participation, followed closely by South America, Australasia and North America. Single participation in a laboratory was highest with 21, compared to multiple participation with 6 labs having 2 participants and 4 labs having three participants. Multiple participants from a single lab provided similar results. The average SDs were reasonably low indicating that, in general, participants did not have difficulties in identifying vitrinite. Most participants have moderate to high precision in their results with low bias. Minor identification difficulties appear to be associated with most of the new entry participants. Further, Angeles presented the state of the DOMVR Sample Bank by displaying samples with problematically high group standard deviation (GSD). She reviewed some criteria to control the acceptability intervals (SMSD) in order to discard samples with too high GSD, such as coefficient of variation (CV), scattering index (SI), variables correlation, or GUMSD. She also stressed that one needs to establish accepted standard deviation for vitrinite in a DOM sample in order to maintain a high precision level. The current status of the Sample Bank seems to profit from the last year call for more samples, resulting in an overall satisfactory number of new samples. Nonetheless, a permanent call for new samples is still present. The 2014 Round will be launched in April 2014 with deadline in October and evaluation in December. Please, contact the organizer at angeles@incar.csic.es if you intend to participate. Angeles would like very much to acknowledge the enormous work and encouragement of passed convenor Alan Cook in running and maintaining the DOMVR Accreditation Program as his success and great achievement.

Isabel Suárez Ruiz suggested avoiding contaminants. Walter Pickel expressed a significant need for establishment of guidelines of how to derive acceptable SD being related to accurate identification of primary vitrinite.

Commission II congratulates Angeles for the effective work that has been done in the DOMVR Accreditation Program.

11:00-11:45 - **Palynofacies WG** - *convenor: João Graciano Mendonça Filho*

João Graciano presented the results of the first 2013 exercise on identification of phytoclast particles as well as on identification of individual particulate components, assessment of their absolute and relative proportions, particle size and preservation state. Also qualitative and quantitative correlation between transmitted white light (TWL) and reflected white light (RWL) was accomplished. Sixteen participants carried out the exercise. Under TWL, all participants recognized the absolute predominance of phytoclasts among the kerogen groups, pointing out the predominance of non-opaque non-biodegraded (NONB) particles among the subgroups. Some difficulties comprised differentiation under TWL due to thicker components and their structure. Under RWL, predominance of vitrinite over inertinite and liptinite group macerals and of telovitrinite over gelovitrinite and detrovitrinite macerals is apparent in whole rock (WR). Comparing results obtained under RWL in both WR and kerogen concentrate (KC), the contribution of inertinite group macerals and specifically fusinite was higher in KC than WR. Cutinite maceral within the liptinite group next to sporinite appears to be the predominant maceral identified in WR and KC. Positive correlation between the amount of NONB phytoclast and vitrinite maceral group was derived as well as between the amount of opaque/NOB phytoclasts and the inertinite maceral group. João suggested in the next year's exercise to focus on the phytoclast group as it is the most diversified one and as there seems to be more requirement for improvement in the TWL and RWL correlation.

Carla Araujo congratulated João Graciano on the enormous amount of work carried out. She suggested extracting more information from the correlation of the TWL and RWL data. Angeles Borrego thanked João Graciano on the extent of the derived data and pointed out that under TWL single and multicomponent grain counting are being analysed in contrast to RWL and this might affect the outcomes of the correlations of TWL and RWL data. Petra David also expressed her complement and suggested to treat the data in a different way, to derive more information. Stavros Kalaitzidis proposed to use linear regression analysis to correlations between the TWL and RWL results.

Commission II congratulates João Graciano for his enormous efforts within the WG.

11:45-12:00 - **DOMVR and CIR in Commission II WG** - *convenor: Angeles Borrego*

Angeles presented a short summary of the work carried out in the WG. The aim of the WG is to make the vast amount of information acquired from past component identification results (CIR) in former WGs of Commission II available to ICCP members. Angeles reported on reappraisal of data related to samples analysed for DOMVR in the Commission II. The sample specific information is going to be available in a formulaic data sheet containing sample information, exercise information, data available (chemical, Rock-Eval, etc.), photomicrographs, histogram and comments. Part of the evaluated data is already completed. A special attention is paid to confidentiality of the data.

Commission II congratulates Angeles for her great efforts at retrieval and consolidation of the past work of Commission II.

11:45-12:30 - **Identification of Primary Vitrinite WG** - *convenor: Paul Hackley*

Paul gave a short review of possible difficulties that might be encountered when identifying primary vitrinite particles in sedimentary rocks and presented detailed historical work progress carried out within the WG. He then reported on the results of the 2012-2013 interlaboratory study with aim to obtain a precision statement by applying the ASTM-D7708 standard for microscopic determination of reflectance of vitrinite dispersed in sedimentary rocks. Twenty-eight participants from 14 countries and 22 laboratories took part in the study. All together 6 samples, mostly from the USA, were provided to participants. Paul presented and discussed comments from participants as well as the results supplied. He commented on the overall positive outcomes for repeatability but relatively poor levels of reproducibility for mature samples and discussed a number of therewith related issues such as minimum number of measurements, repeatability conditions, and discarded reporting requirements, in order to improve the overall quality of precision obtainable by application of the ASTM standard to dispersed vitrinite reflectance.

Commission II thanks Paul for his significant efforts in attaining valuable and relevant results supporting the ASTM standard for VR measurements on dispersed vitrinite in sedimentary rocks.

American Society for Testing and Materials ASTM-D7708-11. 2011. Standard Test Method for Microscopical Determination of the Reflectance of Vitrinite Dispersed in Sedimentary Rocks: Annual book of ASTM standards: gaseous fuels; coal and coke DOI: 10.1520/D7708-11

13:30-14:00 - **Reappraisal of Pseudovitrinite WG** - *convenor: Lila Gurba*

Lila presented a historical review of the work carried out in the two former pseudovitrinite WGs, i.e., the first one in 1965-1982 with focus on the effect of pseudovitrinite on carbonization properties of coal and the second one in 1996-2003 with focus on significance of pseudovitrinite in rank studies. Lila stressed the contributions of the work on pseudovitrinite to the science with regard to coal rank, coalbed methane, and gas saturation. She then presented the current status of the Reappraisal of Pseudovitrinite WG. Part I of the work carried out on pseudovitrinite by ICCP participants has been completed by H. Smith and is intended to be published in IJCG. The second part comprising activities from 1996 to 2004 is drafted and is also intended to be published in IJCG. In addition, Lila suggested a team-paper on pseudovitrinite comprising subjects such as reflectance, bireflectance, chemistry, etching, microhardness, origin, and utilization, also to be published within IJCG. ICCP publications should include records of the pseudovitrinite WG, photomicrographs and a database.

Commission II congratulates Lila for the effort to finalize the past activities related to pseudovitrinite.

14:00-14:30 - **Dispersed Organic Matter White Paper WG** - *convenor: Maria Hamor-Vidó*

The current aim of the WG is to provide a reference text for the petrographic analysis of dispersed organic matter including identification of components and thermal maturity. It should serve as a tool for petrographers in practice, education and use of DOM Classification system and the Atlas, accepted by TSOP-ICCP (2003).

Maria presented activities of the WG in 2012-2013. The 10th draft includes 76 pages with an additional 21 pages of literature references. The chapters 1 Introduction, 2 Historical development of DOM classification and current state of the art, and chapter 3 Sample Types, sampling procedures and sample preparation, are completed. Chapter 4 requires verification of figures in sub-chapter 4.1. Sub-chapter 4.2 secondary products and reworked organic material needs contribution and modifications. Chapter 5 Quantitative analyses to determine the petrographic composition of DOM is completed. Chapter 6 Optical methods to evaluate thermal maturity of DOM is completed apart from the acritarch alteration index (AAI).

Maria intends to complete the text, figures and tables by November 2013. She then would like to provide the draft version to the ICCP members for further comments and discussions via the ICCP web page. The deadline for relevant comments is December 2013. Submission of the White Paper for publication is intended at the beginning of 2014.

Commission II thanks Maria for her distinct efforts to bring the DOM White Paper product to conclusion.

14:35-14:45 - **Classification of Dispersed Organic Matter WG, ICCP-TSOP DOM Atlas** - *convenor: Carolyn Thompson-Rizer, acting as convenor: Isabel Suarez-Ruiz*

Isabel presented on behalf of convenor Carolyn the review of activities carried out within the WG. The completed work program in 2010 resulted in preparation of 250 CDs being sent to the TSOP Secretary. However, examination of the CD contents revealed missing files. Further, a number of issues were addressed by Mike Avery and Carolyn Thompson-Rizer and a revised version was sent to two independent reviewers for advice on the suitability of the content for wider circulation. The reviews acknowledged the DOM Atlas to represent a very valuable and useful contribution to organic petrology, and reported that it will provide an excellent resource both for educational purposes and to assist wider professional communication. However, both reviewers also indicated a number of issues regarding terminology and a need for better identification of individual macerals which need to be addressed. Angeles Borrego also supplied relevant images for the DOM Atlas to fill some gaps of the present content. As the present TSOP convenor wishes to withdraw from her current position, a new convenor is required. The position is still vacant. Isabel is prepared to take the position as a convener if TSOP agrees upon it. Isabel stressed that she would require assistance with the procedure of how and where to insert pictures and information within the Atlas. Mike Avery and Lavern Stasiuk will be contacted to assist Isabel in her query. Dr Zhongsheng Li of CSIRO Earth Science and Resource Engineering, a former TSOP Councilor, is interested in joining the work on the DOM.

Commission II congratulates all of the involved members for attempting to finalize the DOM Atlas.

14:45-14:55 - **Shale Gas WG** - *convenor: Lila Gurba*

The objectives of the WG are to monitor issues and topics of shale gas relevant to organic petrology, to develop an ICCP Shale Gas Handbook and to conduct Round Robin exercises to assess various thermal indicators.

Issues such as terminology, resource estimates, as well as geological risks and uncertainties were briefly reviewed. A special attention was drawn to shale terminology as well as to the threshold for gas production and to limits of "gas preservation". Lila presented work activities in 2012-2013 which included the following: assembly of an editorial group for the ICCP Shale Gas Handbook, literature review, identification of (priority) issues and problems related to coal and organic petrology, as well as a search for suitable samples for a Round Robin exercise. The convenor intends to present the 1st draft of the ICCP Shale Gas Handbook in 2014.

Maria pointed out that with the preparation and publication of the ICCP Shale Gas Handbook there appears to be a significant overlap with DOM White Paper. Maria stressed that a reference to the DOM White Paper should be included in the ICCP Shale Gas Handbook. Walter asked about samples which are to be selected for the Round Robin.

Commission II congratulates Lila for her efforts to monitor the worldwide activities of shale gas in this WG.

14.55-15.00 - **Closing remarks** - *Paul Hackley & Jolanta Kus*

Paul congratulated and thanked all the conveners of the WGs and the participants of the ICCP Meeting for their valuable and motivating work in the working groups. He also encouraged people to participate actively in the round robin exercises and encouraged convenors to publish their results in international journals and ICCP News. The Chair asked all convenors to send their presentations and updates for the ICCP Commission II website to himself or Jolanta Kus. An invitation for new working groups was issued and no new ideas arose. The Chair reminds ICCP members, that proposals for new working groups can be circulated to the ICCP Commission II Chair or Secretary at any time during the year. Commission II was concluded at 15:00 on August 27th and an invitation to see everyone next year in India was given.

The Dinner was a great success and a good time to catch up.

Minutes of Commission III

Industrial Applications of Coal Petrology
65th ICCP Meeting, Sosnowiec, Poland
August 25 - 31, 2013

Chair: Dr Isabel Suárez-Ruiz
isruiz@incar.csic.es
Secretary: Magdalena Misz-Kennan
magdalena.misz@us.edu.pl

Tuesday - 26th August

16:45-16:55 - **Opening Address**

The opening address of ICCP Commission III, Industrial Applications of Coal Petrology started with welcome and presentation of a new schedule of work for Commission III for Tuesday and Wednesday. Isabel Suárez-Ruiz presented the activities of active and inactive working groups in last year and also in the past years. First she discussed the activities of the four active working groups (Identification and petrographic classification of components in Fly ashes WG, Self-heating in coal and coal waste dumps WG, Coke Petrography WG, Microscopy of Carbon Materials WG, and Coal Blends Accreditation Program - CBAP) and than the activity of inactive working groups (Improved Image Analysis Working Group and Characterization of Gasification Products Working Group) in the last years.

The Commission III meeting started at 16:45 Tuesday August 26th and was attended by 24 participants.

16.55-17.30 - **Fly Ash Working Group** *(convenors: Isabel Suárez-Ruiz and Bruno Valentim)*

The results of this WG were presented by Isabel Suárez-Ruiz. She presented the objectives of the WG that was preparation of the Atlas of fly ash components based on images from 2007, 2009 and 2011 exercises with a level of agreement of 80-100, and distribute the Atlas among the WG participants for improvement. She presented the outline of the Atlas, the front cover, contents, contributors, introduction, provenance of fly ashes, samples, preparation and photomicrographs, selection of fly ash photomicrographs, petrographic classification of fly ashes (established in 2012), description of the optical properties of fly ash components, examples, organization of the photomicrographs and gave

examples of the forms deriving from combustion of various things (coal, coal blends, pet coke, biomass, co-combustion of e.g. coal and biomass, coal blends and pet coke) in various types of boilers (pf, fluidized boilers); these forms were organic and inorganic. At the end of the Atlas will be given bibliographic references. Then she asked about comments and suggestions. Nikki Wagner asked about the title of the Atlas and Isabel Suarez-Ruiz stated that she is not happy with the title and it will be changed. Bryan Cardott asked about the rank of coals from which the fly ashes originated. Isabel Suarez-Ruiz has that information and it will also be included in the description of the pictures of fly ashes. By then she only concentrated on the origin of fly ashes but the rank will also be included. Krystyna Kruszewska recommended putting the information about fly ashes into table and Isabel Suárez-Ruiz replied that it will be done. Then Isabel Suárez-Ruiz thanked for the comments and to all the members of the WG.

17:30- 18.10 **Coke Reflectance Measurements** *(speaker: Richard Pearson)*

Richard gave talk on the application of the new methodology of coke reflectance measurements. He presented the bireflectance mapping and reflectance density maps. He showed carbon form maps, carbon forms from bireflectance based on brightness and flashiness, coke fingerprints and reflectance, differentiation of commercial and test oven cokes with lab cokes, CSR vs. Ro_{max} reflectance regression and also pictures of fusinite, fusinite with vitrinite. He discusses coke porosity, bireflectance of deposited carbon and showed pictures of deposited carbon.

At the end of his talk he discussed sample preparation. During discussion first Georgeta Predeanu asked if after revising the standards, the standards can be included in the methodology and Richard said yes. Cornelia Panaitescu stated that the modern application method for anisotropy of coke and composition of coke must be continued because it is very important. She recommended working on cokes from blast furnaces that will give more opportunity to study the problem. Richard replied that they are trying to do it. Isabel Suárez-Ruiz asked about the practical importance of the method and Richard replied that it gives much cheaper version of CSR test and that doing reflectance measurements one can get CSR tests. Isabel also asked if he is going to license the product and Richard replied that rather not.

The meeting finished at 18.10 and Isabel closed the session.

Wednesday, August 28, 2013

The meeting started at 9.10 with 33 participants. Isabel Suárez-Ruiz presented the schedule for the Commission III for this day and announced that at the end of the meeting of this commission Nikki Wagner will present the activity of Gasification WG.

9.15 - 10.00 **Coal Blend Accreditation Program** *(convenor: Isabel Suarez-Ruiz)*

Isabel Suárez-Ruiz presented objectives of the CBAP. She presented the items that have to be determined, evaluation process, blend and the statistical parameters that are calculated in the program. She discussed the problems with the data base. Final report of CBAP from this year exercise will be delivered to participants early in September 2013. She presented evaluation of results in 2013 Exercise and presented the comparison of results from this year exercise and results from 2007, the year of the first CBAP exercise. At the end of her talk she presented conclusions from 2013 exercise. The next exercise will be proposed by the end of 2014 or early 2015. She also presented recommendations for future CBAP exercises. She made emphasis on the problems with CBAP data base. Then she asked for single coals that can be used in the accreditation program. People having such coals should contact Isabel. The sending fees will be paid by the ICCP. She thanked to all participants of the CBAP exercise. Then she asked for comments/discussion. As there were no comments, she remarked that she is very happy with participants in CBAP as they are very professional and sent their results within deadline.

10.00 - 11.00 **Self-heating Working Group** *(convenors: Magdalena Misz-Kennan, Jolanta Kus, Deolinda Flores)*

First Magda Misz-Kennan presented the aims of the Self-heating Working Group and past activity in the period 2008-2012. Then she briefly discussed the problems with terminology and current problems connected with presentation of the forms that has to be recognized (square marking a field within

particle or cross hair or arrow or another way). She presented the 2013 Round Robin Exercise that was based on 32 photomicrographs taken from coal wastes from Lower Silesian Coal Basin (Poland) in which organic matter was of 0.6-0.7% R_r. She presented the forms on which there was general agreement and the most troublesome forms. The problems with 2013 Round Robin Exercise was that in case of altered particles, not all participants marked all the three categories, i.e. appearance, structure and texture and the most troublesome forms were taken in polarized light with analyser. At the end of her presentation she concluded that (1) the results obtained this year were good and proofed that giving the vitrinite reflectance is necessary to differentiate between thermally altered and unaltered organic matter and (2) the difficulty was of a technical nature: how to mark the form. After Magda's presentation the discussion started how to present the form. Stavros Kalaitzidis asked what is important: a form or a whole particle? Isabel Suárez-Ruiz suggested that as for normal point counting analysis we should use cross-hair. Nikki Wagner suggested to use a square because we see what happens to the particle. Cornelia Panaitescu paid attention on the importance of temperature and that in coal wastes sometimes we might have coke and sometimes chars. Jola Kus replied that commonly we are unable to measure temperature we are usually absent in the please where self-heating and where altered forms occur. Deolinda Flores said that the heating temperatures were measured in Portugal directly and also indirectly using the method of newly formed minerals. That was part of the project that aim was to develop the way of measuring the temperatures but it is very difficult. Stavros Kalaitzidis suggested putting the R_r value of unaltered organic matter on every microphotograph. Georgeta Predeanu also suggested using square for recognizing the forms. At the end of the discussion on self-heating Jola Kus read the e-mail from Peter Crosdale about possible cooperation and it was strongly recommended.

The meeting finished at 11.00 and was followed by coffee break.

11.30 - 11.55 **Coke petrography working group** *(convenor: Lauren Johnson, presented by Magdalena Misz-Kennan)*

Magda Misz-Kennan presented the results of 2013 Round Robin Exercise on behalf of Lauren Johnson. Magda presented the aim of the Coke petrography working group that is to classify the carbon forms in images of coke given a reference document with some photographs, the outline of the exercise that was based on 20 images from four cokes, and the results. The success of this exercise was limited based on the image quality which was made worse by the fact that images were sent as a PDF to reduce the file size. Lauren suggested sending coke blocks to participants of taking microphotograps of what they consider the various constituents of the coke, with the intention that this would raise some spirited discussion. She also suggested working with Dave Pearson on reflectance of coke. After the presentation the discussion started. Cornelia Panaitescu suggested stronger collaboration with people that have more experience with coke petrography. She also remarked that atlas of coke was published in Romania. Dave Pearson said that they got polished blocks from Lauren and the surface of the blocks was poor and that that is why the pictures were very poor. She used much greater resolution than Dave was using. Walter Pickel suggested putting invitation to this Working Group in ICCP News Letter.

11.55-12.15 **Gasification WG** *(convenor: Nikki Wagner)*

First Nikki Wagner presented the activity of the Gasification Working Group . from 2007 when the WG was proposed. A number of participants wanted to join the WG because they wanted to learn and not because they were working on gasification. There was a problem with getting the samples. After the first Round Robin Exercise Nikki got response from four participants. It is necessary to compare the chars from gasification with chars from combustion and then to decide if there is a necessity for creating a new char classification. In 2012 it was suggested to close the WG or to get more samples. During the meeting in China it was suggested that the Gasification WG will continue but no more samples were obtained despite of some promises. Nikki also mentioned that the part of ICCP web page dealing with commission III has not been updated for a number of years. She asked again for samples and suggested closing the WG in 2014 if no additional samples be obtained. In discussion Magda Misz-Kennan remarked that as secretary of Commission III she sent request twice to all conveyors of active and past WG and she got few responses. Kaydy Pinetown suggested supplying

samples from gasifiers what was also recommended by Isabel Suárez-Ruiz.

12.15-12.25 **Proposal of New WG** *Isabel Suárez-Ruiz*

Two years ago in the light of very good results from Application of reflectance in estimation of Structural Order WG it was proposed that Sławka Pusz, who conveyed the WG, should convey the Accreditation Program in that area. Unfortunately Sławka did not have time to conveyed the program. Now Sandra Rodriques agreed to be a convenor of the Structural Order Accreditation Program. Barbara Kwiecińska stated that Sandra will be an excellent convener. It was also suggested that Sławka should help Sandra if she be need. Isabel Suárez-Ruiz asked how many people were in this WG and Sławka replied seven. Isabel suggested putting the information about the Structural Order Accreditation Program into the ICCP News Letter. David Pearson suggested that we do not need be accredited in bireflectance of materials. And he found organization of such accreditation program as inappropriate. Isabel stated that anisotropy is applied to many things and related e.g. to Raman Spectroscopy. David Pearson replied that there is no need for this accreditation program. Deolinda Flores suggested that it is necessary to know who is interested in this accreditation program and that it is necessary to send e-mail to all participants of Commission III and not to publish in news letter because people do not read news letters. Isabel suggested sending an e-mail about with information about the Structural Order Accreditation Program to all ICCP Members and also to include a small note in News Letter.

After lunch the works of Commission III continued.

13.30 - 14.30 **Carbon Materials Working Group** *(convenor: Georgeta Predeanu, Cornelia Panaitescu)*

The WG started after lunch at 13.30. Georgeta Predeanu presented the objective of the WG that is directed to the microscopically characterization of carbon materials derived from coal and petroleum, to consolidating and completing the existent methods developed for carbon materials structural and textural characterization.

The convener presented past activities of the Microscopy of Carbon Materials Working Group since its establishment in 2008 during the ICCP Meeting in Oviedo, giving a short review of the three performed exercises: identification of individual raw materials as such as are used in technological processes (2009-pitch coke, petroleum coke, anthracite, 2010-evolution of optical characteristics of two pitches during heating) and mixtures of these raw materials as they are incorporated into various finished products (2011-on different technological steps of steel electrodes, 2013-on different products anodes/cathodes). Comparative evaluation of the results in the 2009-2011 ICCP Carbon Materials WG exercises show high average levels of overall agreement over 80%. In 2013 in order to provide the participants with a suitable carbon materials used in aluminum industry, two sets of samples of anodes (the electrode) and embedding cathodes blocks used in the electrolysis vats from the industrial flow sheet of carbon products manufacturing Electrocarbon Slatina of Romania, were prepared. Following identification and characterization of the optical appearance of petroleum coke, calcinated anthracite and pitch coke both the optical type (isotropic/anisotropic), texture and size were carried out. The results show a high level of over 82% agreement of the analysts, compared to the conveners. The most easier identified textures (over 95% of 38%) were those of punctiform, mosaic and fine fiber; than follows the textures identified with a lower score (85-95% representing 15%) as being fiber medium and fine); between 75-85% (38%) were those of anisotropy, ribbon, domain, including the origin macerals of vitrinite and inertinite; and the lowest identification score (under 75% of only 8%) belonging to isotropic type. Georgeta presented that in 2013 is ending a series of 4 exercises addressed to the main industrial consumers of raw materials of carbon source that can be investigated microscopically. She proposed that beyond 2013 the activities of the WG will highlight in some more exercises how microscopy can be a method of investigating raw materials of coal origin and waste lignocellulosic materials (biomass) in the stages undergoing pyrogenetic reactions involving the obtaining of char and then of the activated carbons, with interesting structures that can be widely analysed through microscopy. Georgeta and Cornelia made a call to everyone within the ICCP to come

up with new ideas/proposals, according to their research activities to find new sources of petrographic research interests to carbon materials. They also propose to enlarge the conveners group with a new co-convener, to strengthen our working group, and who could provide samples. The conveners presented the intention to prepare a draft version of a manuscript discussing the results of the four exercises of the WG that will be sent to participants. The final version of the manuscript is to be completed by the end of December for submission in a peer-reviewed journal.

Isabel thanked Georgeta for the great job. She suggested providing her with samples of carbon forms (fly ash and chars from biomass combustion). Krystyna Kruszewska asked about the quality of the material and Georgeta replied that coke was made from coal and mixtures of coals and carbon material had very low porosity, low developed pore structure.

When the discussion on Carbon Material WG finished Isabel asked for ideas for new Working Groups. It was suggested that the web page of commission III should be ready by the end of this year.

14.30-14.45. **Commission III Concluding remarks** *(Isabel Suárez-Ruiz, Magdalena Misz-Kennan)*

The Meeting of Commission III took place on Tuesday August 27 and Wednesday August 28. First she presented the objectives of the Fly Ash WG, the outline of the Atlas of Fly Ash, the classification of fly ash components, organization of the photomicrographs in the Atlas and gave examples of the forms deriving from combustion in various type of boilers. The atlas will include particles from combustion of coal of various rank. Richard Pearson presented application of Coke Reflectance Measurements .

On Wednesday the Meeting started with report on Coal Blend Accreditation Programme given by Isabel Suárez-Ruiz who presented the report from this year accreditation exercise and compared the results with results obtained during the first exercise in 2007. She also presented the problems connected with evaluation of results and data base. In 2013 a new Round Robin Exercise was prepared in Self-Heating WG . The current problems are how to present the forms of organic matter to be recognized. In future cooperation with Peter Crosdale is planned.

Magda gave presentation of Coke Petrography WG on behalf of Lauren Johnson. It was recommended her to cooperate with people who have more experience and invite more people to this WG.

Nikki Wagner gave reasons of the problems in Gasification WG. The group will continue and Kaydy will provide her with samples from various gasifiers.

A new accreditation program was proposed on the Application of reflectance in Estimation of Structural Order. The convenor will be Sandra Rodrigues. Information about this program will be sent by e-mail to all ICCP members and published in ICCP News Letter.

The last presentation was by Geogeta Predeanu who gave report of the activity of Carbon Material WG. In future the activity will concentrate on other materials.

Appendix 2 - List of Participants

Lp.	Name	Affiliation	e-mail
1	Taofik Adewale Adedosu	University of Technology, Department of Chemistry, Nigeria	taadedosu@lautech.edu.ng; terryad2001@yahoo.com
2	Izuchukwu Mike Akaegbobi	University of Ibadan, Nigeria	izumike@daad-alumni.de
3	Hartmut Althoff	A.S.& Co. GmbH, Germany	hartmut.althoff@microspectro.de
4	Mary Adekemi Amos	Global Petroclean Nigeria Ltd	oa.ehinola@mail.ui.edu.ng
5	Carla Vivien Araujo	Petrobras, Brasil	carla@petrobras.com.br
6	Kamila Banasik	University of Silesia, Poland	kamila.banasik@us.edu.pl
7	Manfred Bauer	J&M Analytic AG, Germany	Kubin@j-m.de
8	Harald Behl	A.S.& Co. GmbH / Office Spectro-Tec	Harald.behl@spectro-tec.com

9	Barbara Bielowicz	AGH University of Science and Technology, Poland	bielowicz_barbara@go2.pl
10	Ángeles Gómez Borrego	Instituto Nacional del Carbón CSIC, Spain	angeles@incar.csic.es
11	Antonis Bouzinos	Energy Resources Consulting, Australia	
12	Brian J. Cardott	Oklahoma Geological Survey, USA	bcardott@ou.edu
13	Nandita Choudhury	CSIR-Central Institute of Mining & Fuel Research, Dhanbad, India	nanditafri@yahoo.com
14	Justyna Ciesielczuk	University of Silesia, Poland	justyna.ciesielczuk@us.edu.p l
15	Vivien du Cann	Petrographics SA, South Africa	vivienducann@mweb.co.za
16	Petra David	Wintershall Holding GmbH, Germany	petra.david@wintershall.com
17	Olugbenga Ajayi Ehinola	University of Ibadan, Dept. of Geology, Nigeria	oa.ehinola@mail.ui.edu.ng
18	Monika Fabiańska	University of Silesia, Poland	monika.fabianska@us.edu.pl
19	Deolinda Flores	Universidade do Porto , Portugal	dflores@fc.up.pt
20	Thomas Gentzis	Core Laboratories, USA	Thomas.Gentzis@corelab.com
21	Maria Doina Ghiran	OMV Petrom, Romania	maria.ghiran@petrom.com
22	Olga Gorbanenko	University Tübingen, Germany	olgagorbanenko@ymail.com
23	Olga Patricia Gómez Rojas	Universidad Pedagógica Y Tecnológica De Colombia	olgapatricia.gomez@uptc.edu.co
24	Lila Gurba	University of New South Wales, Australia	l.gurba@unsw.edu.au
25	Paul Hackley	USGS, USA	phackley@usgs.gov
26	Mária Hámor-Vidó	Geological and Geophysical Institute of Hungary	vido.maria@mfgi.hu
27	Martina Havlecová	Institute of Rock Structure and Mechanics, Czech Republic	havelcova@irsm.cas.cz
28	Hans Horst Karl Hilgers	Hilgers Technisches Buero, Germany	info@hilgers.com
29	Iwona Jelonek	University of Silesia, Poland	iwona.jelonek@us.edu.pl
30	Stavros Kalaitzidis	Integral Resource Consulting Pty Ltd	stavros@integralrc.com
31	Marta Kasprzyk	University of Silesia, Poland	marta.kasprzyk@us.edu.pl
32	Sławomir Kędzior	University of Silesia, Poland	slawomir.kedzior@us.edu.pl
33	Polla Khanaqa	Kurdistan Institution for Strategic Studies and Scientific Research, Iraq	drpolla@hotmail.com
34	Magdalena Kokowska-Pawłowska	Silesian University of Technology, Poland	magdalena.kokowska-pawlowska@polsl.pl
35	Joanna Komorek	Silesian University of Technology, Poland	Joanna.Komorek@polsl.pl
36	Piotr Kotula	University of Silesia, Poland	piotr.kotula@us.edu.pl
37	Krystyna Kruszewska	University of Silesia, Poland	krystyna.kruszewska@us.edu.pl
38	Dag Kubin	J&M Analytic AG, German	Kubin@j-m.de
39	Jolanta Kus	Federal Institute for Geosciences and Natural Resources (BGR), Germany	J.Kus@bgr.de
40	Barbara Kwiecińska	AGH-Technical University, Poland	kwiecin@agh.edu.pl
41	Małgorzata Lewandowska	Silesian University of Technology, Poland	Malgorzata.Lewandowska@polsl.pl
42	Leszek Marynowski	University of Silesia, Poland	leszek.marynowski@us.edu.pl
43	Aniela Matuszewska	University of Silesia, Poland	aniela.matuszewska@us.edu.pl
44	João Graciano Mendonça Filho	Federal University of Rio de Janeiro, Brazil	graciano@geologia.ufrj.br
45	Magdalena Misz-Kennan	University of Silesia, Poland	magdalena.misz@us.edu.pl
46	Rafał Morga	Silesian University of Technology, Poland	rafal.morga@polsl.pl
47	Grzegorz Nowak	Polish Geological Institute – National Research Institute, Poland	grzegorz.nowak@pgi.gov.pl
48	Jacek Nowak	Silesian University of Technology, Poland	jacek.nowak@polsl.pl
49	Richard Orban	MOL Group Exploration Laboratories, Hungary	rorban@mol.hu

50	Riza Gorkem Oskay	University of Patras, Greece	oskay@upatras.gr
51	Cornelia Panaitescu	University Politehnica Bucharest, Romania	corneliapanaitescu@yahoo.com
52	David Pearson	Pearson Coal Petrography, Canada	dpearson@coalpetrography.com
53	Jennifer Pearson	Pearson Coal Petrography, Canada	jen@coalpetrography.com
54	Richard Pearson	Pearson Coal Petrography, Canada	rpearson@coalpetrography.com
55	Yaneth Cecilia Perez Fonseca	Universidad Pedagógica Y Tecnológica De Colombia	yaneth.perez@uptc.edu.co
56	Henrik I. Petersen	Maersk Oil, Denmark	henrik.ingermann.petersen@maerskoil.com
57	Walter Pickel	Coal & Organic Petrology Services, Australia	walterpickel@optusnet.com.au
58	Małgorzata Piechaczek	Institute for Chemical Processing of Coal, Poland	mpiechaczek@ichpw.zabrze.pl
59	Kaydy Pinetown	CSIRO Earth Science and Resource Engineering, Australia	Kaydy.Pinetown@csiro.au
60	Judith Potter	JP PetroGraphics, Canada	jpp@sitogeo.com
61	Georgeta Predeanu	University Constantin Brancusi of Targu Jiu, Romania	gpredeanu@yahoo.com gpredeanu@gmail.com
62	Dirk Prinz	Germany	dirk.prinz@ymail.com
63	Sławomira Pusz	Centre of Polymer and Carbon Materials, PAS, Poland	spusz@cmpw-pan.edu.pl
64	Paddy Ranasinghe	GeoGAS, Australia	Paddy.Ranasinghe@gmail.com
65	Julito Reyes	Geological Survey of Canada	jreyes@nrcan.gc.ca
66	Sandra Mónica Paulo Rodrigues	The University of Queensland, Australia	s.rodrigues@uq.edu.au
67	Leokadia Róg	Central Mining Institute	l.rog@gig.eu
68	Maciej Rybicki	University of Silesia, Poland	maciej.rybicki@us.edu.pl
69	Govand H. M. Sherwani	Iraq	govand.sherwani@mhe-krg.org
70	Ashok K. Singh	CSIR-Central Institute of Mining & Fuel Research, Dhanbad, India	ak2002@yahoo.co.in
71	Bhagwan D. Singh	Birbal Sahni Institute of Palaeobotany (BSIP), India	singhbd.bsip@gmail.com
72	Łukasz Smędowski	Institute for Chemical Processing of Coal, Poland	lsmedowski@ichpw.zabrze.pl
73	Beata Smieja-Król	University of Silesia, Poland	beata.smieja-krol@us.edu.pl
74	Justyna Smolarek	University of Silesia, Poland	justyna.smolarek@us.edu.pl
75	Isabel Suarez-Ruiz	Instituto Nacional del Carbon (INCAR-CSIC), Spain	isruiz@incar.csic.es
76	Ivana Sýkorová	Institute of Rock Structure and Mechanics AS CR,v.v.i., Czech Republic	sykorova@irsm.cas.cz
77	Marcin Szeligiewicz	Carl Zeiss, Poland	marcin.szeligiewicz@zeiss.com
78	Krzysztof Szopa	University of Silesia, Poland	krzysztof.szopa@us.edu.pl
79	Marcin Szydek	Carl Zeiss, Poland	marcin.szydek@zeiss.com
80	Justyna Urbanczyk	Instituto Nacional del Carbón CSIC	jujuha@interia.pl
81	Brett Valentine	U.S. Geological Survey, USA	bvalentine@usgs.gov
82	Lopo Vasconcelos	Eduardo Mondlane University, Mozambique	lopovasconcelos@gmail.com
83	Nicola Wagner	University of Witwatersrand, South Africa	nicola.wagner@wits.ac.za
84	Nikola Van de Wetering	University of Queensland, Australia	n.vandewetering@uq.edu.au
85	Konrad Ziemianin	Oil and Gas Institute, Poland	ziemianin@inig.pl
86	Dragana Životić	University of Belgrade, Serbia	draganar@rgf.bg.ac.rs

Appendix 3 - New Members

Dr. Barbara **Bielowicz** (A1, 2, 3)
AGH University of Science and Technology in Cracow
Faculty of Geology, Geophysics and Environment Protection
al. A. Mickiewicza 30
30-059 Kraków
Poland
Ph: +48 12 617 2375
Fax: +48 12 617 2375
mailto:bielowicz_barbara@o2.pl

Dr Bielowicz has a Ph.D. Eng. Earth Sciences Discipline: Geology, AGH University of Science and Technology, Faculty of Geology, Geophysics and Environment Protection, Department of Mining and Economic Geology with a thesis on "Scheme of a new technological classification of Polish low-rank coal according international standard." Her publications include the relationship of random reflectance to technological properties of lignites; petrographic composition in relation to gasification processes and studies in harmful trace elements in lignites.

Mr. Seare **Ocubalidet** (A1, 2)
Core Laboratories
6316 Windfern Rd
Houston, TX 77040
USA
Ph: +1 (713) 328-2592
Fax: +1 (713) 328-2170
mailto:Seare.Ocubalidet@corelab.com

Mr Ocubalidet obtained an M.S. from Southern Illinois University, Carbondale for work on "Controls on organic carbon accumulation in the Late Devonian New Albany Shale, west-central Kentucky, Illinois Basin. " He is currently employed as an organic petrologist at Core Laboratories where he performs vitrinite reflectance measurement, visual kerogen analysis and integration of that with that from RockEval Pyrolysis.

Dr. Joalice de **Oliveira Mendonça** (A1, 2)
Avenida Athos da Silveira Ramos, 274
Palynofacies & Organic Facies laboratory (LAFO)
Prédio CCMN/ IGEO/ DEGEO-Universidade Federal do Rio de Janeiro
Ilha do Fundão-Cidade Universitária
21949-900-Rio de Janeiro
RJ -Brasil
Ph.: (55 21) 2598-9480
mailto:joalice@lafo.geologia.ufrj.br

Dr. Mendonça obtained a Ph.D. in Biological Sciences in Botany from Universidade Estadual Paulista Julio de Mesquita Filho, UNESP - Botucatu - SP, Brazil; a Masters Science in Botany from Universidade Federal do Paraná, UFPR, Curitiba-PR, Brazil and; a Degree in Biological sciences from Universidade Federal de São Carlos, UFSCAR - São Carlos-SP, Brazil. She is specialist in botany with a deep knowledge of coal and source rocks-forming organisms and has worked for many years with some of the most important source rocks of Brazilian oil. She has extensive experience on microscopy techniques applying both reflected light and transmitted light and has participated in different working groups of the ICCP, particularly those of Commission II.

Appendix 4 - Treasurer's Report

ICCP Treasurer's Report to July 31, 2013

The account details for the financial year ending July 31st, 2013 are outlined in the tables below. Table 1 is the income statement as of July 31st 2013, all Canadian dollar amounts have been converted into euros using the exchange rate of July 31st $1=0.7313euros. Column three in the table shows the total amount of receipts and expenses incurred throughout the year.

Opening balances of 95,930.20euros resulted from an excellent year in 2011/2012 with two very successful training courses and a large participation in the SCAP program. Receipts during 2012/2013 include membership fees; a donation from Dr. Geoff Taylor, the royalties from his book, for which we are very grateful; some late payments for the SCAP and DOMVR programs, fees for the sixth training course at Potsdam and interest in our savings account. This gives a total of 15,765.03euros.

Expenses include credit card charges, much higher this year due to more people paying by credit cards, also many of the fifty participants attending the training course in Brisbane last summer paid with credit cards, and these charges did not go through until this fiscal year. Administration costs, include the casting of an ICCP medal, a sponsorship for this year's meeting of the ICCP and the General Secretary's expenses. Expenses for the SCAP and DOMVR programs are listed and we paid for our new web page development. The cost of the ICCP course in Potsdam is shown. Our total expenses of 21,986.58euros give us a final balance of 89,708.65euros, a loss of 6,221.55euros.

The Balance sheet, Table 2, shows the final balance of all accounts compared with those of the previous year. It shows that our final number for 2013 is considerably less than it was in 2012. This is not as bad as it looks, the exchange rate for $1 in July 2012 was 0.8104euros, but this year it's 0.7313euros. Almost 70% of our money is held in Canadian dollars, since my report is set up to show all balances in euros the loss on exchange is quite high this year.

Table 1: Income Statement as of July 31, 2013 in Euros. Canadian $ amounts converted to Euros using exchange rate at end of July 2013. ($1.00Canadian = €0.7313)

	Column 1 Can $	Column 2 Euros	Column 3 Total in €
Opening Balance – July 31/2012			
Canadian Accounts	$95,876.33		€70,114.36
Euro Accounts		€25,815.84	€25,815.84
TOTAL			**€95,930.20**
Receipts:			
Membership Dues			€1,484.03
Prepaid Membership			€2,315.09
Donation & Sponsorship			€81.54
Sales & Advertising			€167.10
Accreditation :			
SCAP			€671.67
DOMVR			€637.40
CBAP			€0.00
Organic Petrology Course			€10,104.29
Bank Interest Received			€303.91
TOTALS			**€15,765.03**
Expenses:			
Credit Card Charges			€2,008.67
Bank Charges			€129.84
Administration			€1,200.43
Accreditation:			
SCAP			€834.51
DOMVR			€1,161.42
CBAP			€0.00
Web page development			€2,433.34
Org. Pet. Courses			€14,364.67
Newsletter			€0.00
TOTALS			**€22,132.88**
FINAL BALANCE			**€89,562.35**

Table 2: Balance Sheet

Assets & Liabilities	July 2012	July 2013
Canadian Account		
Chequing Account	$43,930.17	$32,888.41
Savings Account	51,946.16	52,361.73
Cash	---	131.85
Total	**$95,876.33**	**$85,381.99**
Exchange rate at year end	$1 = €0.8104 =€77,698.18	$1 = €0.7313 =€62,439.85
Euro Account		
Chequing Account	€24,047.79	€26,943.48
Cash	936.00	936.00
SCAP Float	597.33	-11.18
General Secretary	-191.97	-1466.57
President	426.69	720.77
Total	**€25,815.84**	**€27,122.50**
Balance in Euros	**€103,514.01**	**€89,562.35**

Table 3: Statements for ICCP Courses

Sixth Training Course – Potsdam Germany June 2013	
Fees Collected	**€10,104.29**
Costs	**€**
Airfares	6,451.44
Hotels	2,638.00
Meals	835.20
Allowances	960.00
Travel – Taxi etc	646.58
Dinner	548.10
Gifts	62.70
Catering	1,707.62
Bank Charges and Credit card Charges	515.03
Total Costs	**14,364.67**
Profit (Loss)	**(€4,260.38)**

Minutes of the 65th Meeting of the International Committee for Coal and Organic Petrology (ICCP)
August 25 - 31, 2013, Sosnowiec, Poland

Appendix 5 - Editor's Report

Short Report of the ICCP Editor 2012 - 2013 Financial Year

by

Dr Peter Crosdale

Activities for 2012 - 2013 Financial Year

ICCP News

Distribution

Two issues of ICCP News were made, *viz* No. 55 August 2012 and No. 56 April 2013 (Table 1). During the year, the number of persons downloading the newsletter was constant at around 100. After rapid increases over the previous few years, this number appeasr to have stabilised (Table 2). In addition, one copy of ICCP News is deposited with the National Library of Australia, in keeping with the requirements of ISSN registration. Email advice of availability of the pdf version is sent to International Journal of Coal Geology and the TSOP Editor.

Table 1 *Mail distribution by region*

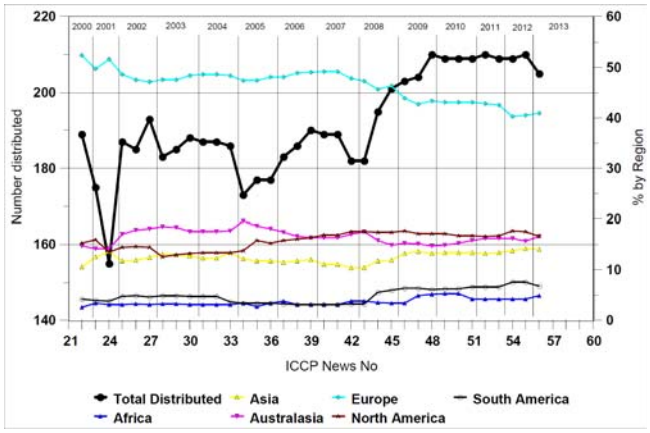
	ICCP News 55		ICCP News 56	
Region	No.	%	No.	%
Africa	3	3	3	3
Asia	20	18	18	17
Australasia	17	16	17	16
Europe	46	42	44	42
North America	20	18	19	18
South America	3	3	3	3
Total	109	100	104	100

Table 2 *Web download only distribution by region*

	#53	#54	**#55**	**#56**
Africa	6	6	**6**	**7**
Asia	9	9	**10**	**11**
Australasia	16	16	**16**	**17**
Europe	41	39	**39**	**40**
North America	16	17	**17**	**15**
South America	11	13	**13**	**11**
Total	99	100	**101**	**101**

Memberships trends can be derived from the distribution of the ICCP News. These records have been kept since ICCP News #21 in November 2000. No similar historical trend data appears to be available from other sources. Membership has been

relatively stable at a little over 200 since 2009. A large fall in 2001 was associated with many members being removed due to non-payment of fees. However, many of these persons were subsequently recovered in 2002. There has been a substantial increase since 2007 which has been driven by an increase in the number of non-European members.



Historical distribution of the ICCP News is a proxy for membership numbers as well as regional distribution of members.

Format and content

The basic format of ICCP News, established in ICCP News No. 22 (October 2000), has remained unchanged.

Table 3 *Summary of contributions to ICCP News by type*

	2012 - 2013		
	no. items	no. pages	% pages
News from Commissions	0	0	0
News from Council (Ed/ Pres/ Treas)	5	2	3
Meeting minutes	1	34	53
Next Meeting Information	2	14.5	23
Accreditation	0	0	0
Other ICCP Information	6	8.25	13
Scientific Articles	2	2	3
Other Articles	0	0	0
Miscellaneous (KYCP etc)	9	3.25	5
Total	25	64	100

Content for the 2 issues has been categorised (Table 3) and some statistical information provided. Apart from working group reports, contributions from members still requires a substantial effort to attract items. This effort includes both a general email-out to all members about one month prior to printing as well as targeting particular members for contributions. The Chairs of the Commissions are also reminded 4 to 6 weeks prior to printing for news of working group activities or other relevant commission information. A close liaison is also maintained with the convenor of the upcoming meeting to ensure that timely and relevant information is published.

Advertising

The possibility of paid advertising was introduced for the first time in 2009 - 2001, with the schedule of rates approved by the 2009 Council meeting given below.

	Rate per insertion ($US)*	
	Once only	4 times (20% discount)
Full Page	400	320
½ Page	200	160
1/4 Page	100	80
1/8th Page	60	48

* a 10% discount applies to ICCP members

No paid advertisement was made in 2012 - 2013, advertising.

Table 4 *ICCP News Costs in AUD*

Year	2012	2013
Newsletter No.	55	56
No. Pages	24	52
No. Copies printed	115	110
Printing	281.66	425.90
Postage - international	181.89	388.05
Postage - domestic	16.80	27.00
Stationery - envelopes	0.00	0.00
Stationery - labels	0.00	0.00
Total	480.35	840.95

Costs

Expenses incurred in production and distribution of ICCP News during 2012 - 2013 are detailed in Table 4. Monitoring of costs has continued swith no significant steep rises occurring. The per copy costs were $4.18 and $7.65AUD for issues 55 and 56 respectively.

Reconciliation of budgeted versus actual costs

Cost estimates are reconciled with the actuals in Table 5.

Table 5. *Budgeted (B) versus Actuals (A) for the 2009 - 2010 financial year*

Item	Number of pages		Number of copies printed		Total cost per page (AUD)		Total Cost AUD	
	B	**A**	B	**A**	B	**A**	B	**A**
ICCP News 55	16	**24**	115	**115**	0.26	**0.26**	480	**480**
ICCP News 55	64	**52**	115	**110**	0.15	**0.15**	1104	**841**
ICCP News xx	28	**0**	115	**0**	0.15	**0.00**	547	**0**
Directory	24	**0**	210	0	0.13	**0.00**	655	**0**
Miscellaneous							50	**0**
Total	140	**76**	555	**225**			2836	**1321**

Actual expenditure was $1515 AUD lower than budgeted. This is a result of producing 2 instead of 3 newsletters and not producing a new membership directory as budgeted for.

Proposals for 2013 - 2014 Financial Year

ICCP News - Number of editions

Two editions of ICCP News were produced in 2012 - 2013 and it is proposed to again produce 3 ICCP News editions for 2013 - 2014, #57 August 2013, #58 November 2013 and #57 March 2014. At the time of writing, ICCP News #57, August 2013 has been completed and distributed.

ICCP Directory 2013

A new ICCP Directory is scheduled for 2013 in collaboration with the General Secretary and Treasurer.

Budget estimates for 2013 - 2014

Budget estimates for production of ICCP News in 2013 - 2014 are given below. Estimates are based on an average total costs per page, which includes postage.

Costs to date and projected costs of ICCP News in the 2013 - 2014 financial year

Item	Number of pages	Number of copies printed	Cost per page (AUD)	AUD
ICCP News 57	32	110	0.21	672
ICCP News 58	64	110	0.15	1104
ICCP News 59	28	110	0.17	547
ICCP Directory	24	210	0.13	655
Miscellaneous [a]				50
Total Projected				**3028**

Notes: [a.] Miscellaneous items include CD ROMs, additional postage and stationery during the year and other small items.

Peter Crosdale

Minutes of the 65th Meeting of the International Committee for Coal and Organic Petrology (ICCP)
August 25 - 31, 2013, Sosnowiec, Poland

Appendix 6 - Summary Council Minutes

Short Minutes of the Council Meeting 65th ICCP Meeting in Sosnowiec, Poland, August 25 - 31, 2013

Council Meeting at 15.30h on 25th August, resuming at 17.30h on 28th August

Members of Council present, **Petra David**, President; **Angeles Gómez Borrego**, General Secretary; **Henrik I. Petersen**, Vice-President; **Jennifer Pearson**, Treasurer; **Deolinda Flores**, Chair Commission I; **Stavros Kalaitzidis**, Secretary Commission I; **Paul Hackley**, Chair Commission II; **Jolanta Kus**, Secretary Commission II; **Isabel Suárez Ruiz**, Chair Commission III; **Magdalena Misz-Kennan**, Secretary of Commission III.

Apologies: **Peter Crosdale**, Editor

2. Minutes of Previous Meeting

Minutes of the Council and of the Plenary Sessions of the Beijing Meeting were approved.

Resolution ICCPC13/2/1. Council approves the Council minutes as circulated.

Resolution ICCPC13/2/2. Council approves the Plenary Session minutes as printed in the ICCP Newsletter.

7. Editor
The Editors Report published in Appendix 5 was presented to the Council

Resolution ICCPC13/7/1. Council receives the report of the Editor and congratulates him on the presentation of the Newsletter.

Resolution ICCPC13/7/2. Council approves spending by the editor in accordance with the budget estimates given in the Editors Report

8. Treasurer's Report
The Treasurers Report as shown in Appendix 4 was presented to the Council

Resolution ICCPC13/8/1. Council
i) receives the report presented by the Honorary Treasurer
ii) agrees that the report represents a fair statement of the financial affairs of the ICCP and congratulates the Honorary Treasurer on the report.

11. Accreditation

Resolution ICCPC13/11/1. Council receives the report of the Chair of the Accreditation Sub-Committee and the Organizers of the SCAP, CBAP and DOMVR and thanks them for their tremendous work and congratulates them on the report.

12. ICCP Training Activities

Resolution ICCPC13/12/1. Council notes the large *involvement of Andreas Küppers and Antje Treutler as organizers, and of the ICCP Vice-Presindent as responsible for the training activities in the organization of the training course on Coal and Organic Petrology and congratulates them for the work. Council notes the enormous amount of work involved in teaching the intensive ICCP course and express that ICCP is deeply in debt with Dr. Claus Diessel and Dr. Walter Pickel for having accepted this challenge.*
The unplanned contribution of ICCP President and General Secretary in the teaching of theoretical and practical sessions in the course is also acknowledged.

13. ICCP Website and image database

Resolution ICCPC13/13/1. Council supports the new website design.

Resolution ICCPC13/13/2. Council notes the large involvement of Ralph Delzepich in the development and hosting of the ICCP website and thanks him for his efforts.

Resolution ICCPC12/13/3 Council requests the implementation of the new website layout until the end of October 2013 and considers to move to professional developers if required.

Minutes of the 65th Meeting of the International Committee for Coal and Organic Petrology (ICCP)
August 25 - 31, 2013, Sosnowiec, Poland

Appendix 7 - Symposium Programme

Oral Presentations

Listed Alphabetically

T.A. Adedosu, T.R. Ajayi, Y. Xiong, A. Akinlua, Y. Li, C. Fang, Y. Chen: *Organic geochemistry of the Kolmani River-1 Well, Upper Benue Trough, Nigeria: implication on source-rock potential for oil and gas*

H. Althoff, H. Behl: *A.S. & Co. - SpectraVision 4 - Overview and new Developments*

O.A. Ehinola, M.A. Amos: *Mineralogy, geochemistry and environmental assessment of medicinal clay from southeastern Nigeria*

O.A. Ehinola, M.A. Amos, Q.-Y. Liu: *Geochemistry and environmental appraisal of some selected coals from Nigeria*

O.P. Gómez Rojas: *Features and distribution of brown coal macerals of Late Pliocene - Early Pleistocene (?), Caldas, Colombia*

P.C. Hackley, A.M. Bove, F.T. Dulong, M.D. Lewan, B.J. Valentine: *Reevaluation of vitrinite reflectance suppression through hydrous pyrolysis experiments*

M. Havelcová, I. Sýkorová, K. Mach, H. Trejtnarová, J. Blažek: *Petrology and geochemistry of the lower Miocene lacustrine*

sediments (Most Basin, Eger Graben, Czech Republic)

S. Kalaitzidis, K. Christanis: *Peat-petrographical characteristics of topogenous mires in relation to coal formation conditions*

A. Matuszewska: *Instrumental methods of hard coal structural analysis- selected problems*

Y.C. Pérez, O.P. Gómez, J.J. Herrera, A.J. Arias, C.A. Fragozo: *Multivariate studies of relationship between petrography and proximate analysis and its influence in the hardgrove grindability index for some thermal coals located in North Central Boyacá, Colombia*

M. Piechaczek, A. Mianowski: *Histograms of the gray scale gradient directions in coke texture analysis*

A.K. Singh, N. Choudhury, P. Boral, N. K. Shukla, S. Kumar, B. Ghosh, R. Singh, A. Sinha: *Petro-chemical characterization of some borehole coal core samples from virgin area in Damodar Valley Basin, Eastern India*

Ł. Smędowski, S. Duber, A. Matuszewska: *An influence of geological pressure on the optical texture of coal*

N.J. Wagner, M. Johnston, J.C. Hower, M. Ndhlaso: *Petrographic consideration of coals from the Karoo Basin, Botswana: expanding the limited data pool*

N. Van de Wetering, J. Esterle: *Palaeobotany and vegetation successions recorded in coal – utilising the lost tool of etching*

D. Životić, A. Bechtel, R. Sachsenhofer, R. Gratzer, D. Radić, M. Obradović, K. Stojanović: *Organic geochemical properties of matrix and xylite coal from the Kolubara and Kostolac basins, Serbia*

Poster Presentations

Listed Alphabetically

M. Arboleya, J. Pellegrini, J. Urbanczyk, V. López-Dias, C.G. Blanco, A.G. Borrego: *Palaeoenvironmental variation of a sub-mountainous Holocene peat in North Spain based on biomarkers and FTIR proxies*

B. Białecka, J. Całusz-Moszko, Z. Adamczyk, J. Komorek, M. Lewandowska: *Differentiation of Ni, Co, Cr, Cu, Zn and Pb content in coal seams from the Orzesze beds SW-part of Upper Silesia Coal Basin – Poland*

B. Bielowicz, K. Matl: *The possibility of underground gasification of lignite from Polish deposits*

M.D. Ghiran, S. Gheorghe, I. Maris: *Oligocene bituminous marls of Eastern Carpathians – geochemical appraisal using Rock-Eval and vitrinite reflectance data*

P.A. Gonçalves, F.S. da Silva, J.G. Mendonça Filho, D. Flores: *Petrographic characteristics of the solid bitumen present in the samples from Cabaços Formation (Lusitanian basin, Portugal)*

O.O. Gorbanenko, B. Ligouis: *Changes in optical properties of liptinite macerals from early mature to post mature stage in Posidonia Shale (Lower Toarcian, NW Germany)*

A. Guerrero, M.A. Diez, A.G. Borrego: *Variation of coke optical texture with the addition of artificially prepared inertinite size fractions*

B. Hanak, J. Nowak, M. Kokowska-Pawłowska, K. Nowińska: *Migration ability of the trace elements from the overburnt mining waste material depending on the pH of the aqueous environment*

I. Jelonek, Z. Mirkowski: *Petrographic and geochemical investigation of coal slurries and its products as the results of the combustion process*

S. Kędzior: *The relationship between methane contents and variability of coal rank within the Upper Silesian Coal Basin, Poland*

M. Kokowska-Pawłowska: *Relationship between the content of trace elements in coal lithotypes and their ashes (405 coal seam, USCB)*

J. Komorek: *Changes of the vitrinite and liptinite structures during heating under inert conditions according to the results of Micro-FTIR spectroscopy*

J. Kus, Ch. Ostertag-Henning: *Application of confocal laser-scanning microscopy (CLSM) to qualitative and quantitative examination of bituminite in Jurassic oil shales*

B. Kwiecińska, S. Pusz: *Highly metamorphosed organic matter – origin and some properties*

L. Lewińska-Preis, M.J. Fabiańska, R. Galimska-Stypa, A. Kita: *Changes in concentrations of selected heavy metals and trace elements in microbial desulphurization of bituminous coals (the Lublin Coal Basin, Poland)*

V. López-Dias, J. Urbanczyk, C.G. Blanco, A.G. Borrego: *Organic petrology of two condensed Middle Holocene peat deposits in N Spain in*

relation to their origin

J.G. Mendonça Filho, J.O. Mendonça, T.R. Menezes, F.S. Silva: *Transmittance Color Index of Amorphous Organic Matter (TCIAOM) as thermal maturity parameter: a new approach*

T.R. Menezes, J.G. Mendonça Filho, D. Flores, L.A.F. Trindade: *Offshore from the Lusitanian Basin, Portugal: new insights into depositional settings and hydrocarbon source potential based on palynofacies and organic geochemistry*

D. Mitrović, N. Đoković, K. Stojanović, S.K. Das, A. Ekblad, A. Mikusinska, D. Životić: *Preliminary organic geochemical study of lignites from Smederevsko Pomoravlje field, Kostolac Basin, Serbia*

R. Morga: *Raman microspectroscopy of funginite from the Upper Silesian Coal Basin (Poland) - preliminary results*

J. Nowak: *Influence of temperature on mineral composition changes of coal mine waste; an example of waste dump sites in Upper Silesia Coal Basin (Poland)*

J. Nowak: *Rare Earth Elements (REE) in the overburnt mining waste material*

J. Nowak, M. Kokowska-Pawłowska, B. Hanak: *Rare Earth Elements (REE) in the rocks accompanying selected coal seams of the Mudstone and Sandstone Series of the Upper Silesian Coal Basin*

M.L.S. Oliveira, S.R. Taffarel, C.M.N.L. Cutruneo, L.F.O. Silva: *Nano-compounds from Brazilian Coal Fires*

R.G. Oskay, A.İ. Karayiğit, K. Christanis: *Coal-petrography and mineralogical studies of the Çardak coal deposit (SW Turkey)*

R.G. Oskay, M. Salman, K. Christanis, M. Taka, H. İnaner: *Petrographic characteristics of Karapınar-Ayrancı Lignite (Konya, Central Turkey)*

R.G. Oskay, M. Salman, M. Taka, K. Christanis, H. Inaner: *Mineral matter and trace elements in the Karapınar-Ayrancı lignite (Konya, Central Turkey)*

J.G. Pohlmann, E. Osório, A.C.F. Vilela, M.A. Diez, A.G. Borrego: *Monitoring progress of combustion under oxy-fuel atmosphere of coals and charcoals of similar volatile matter content by microscopy techniques*

G. Predeanu, C. Panaitescu, M. Balanescu, G. Bieg, A. Gómez Borrego, M.A. Diez, B. Kwiecińska, M. Marques, M. Mastalerz, M. Misz-Kennan, S. Pusz, I. Suárez Ruiz, S. Rodriguez, A.K. Singh, A. Varma, A. Zdravkov, D. Životić: *Microscopical characterization of carbon materials derived from coal and petroleum and their interaction phenomena on making steel electrodes, anodes and cathodes blocks*

G. Predeanu, C. Panaitescu, L.G. Popescu: *Characterization and petrographic composition of ash and slag from the Turceni coal-fired power plant, South-West Romania*

G. Predeanu, O.V. Scorţariu, C. Panaitescu: *Qualitative improvement of xylite by mechanical preparation*

J.C. Reyes, S. Saad, L.S. Lane: *Vitrinite Thermal Maturation Profiles and Comparative Study for Five Yukon Petroleum Exploration Wells*

B.D. Singh, S. Mahesh, S. Paul, A. Singh, S. Dutta: *Evaluation of Cretaceous coals from western India through petrographical and geochemical parameters*

Ł. Smędowski: *Structure and reactivity of pyrolitic carbon collected from the coke oven chamber*

D. Španić, T. Troskot-Čorbić: *Organic petrology and geochemistry of the Oligocene source rocks in the Glina Depression (Croatia)*

I. Sýkorová, M. Havelcová, Z. Weishauptová, H. Trejtnarová, J. Blažek: *Study on morphology, structure and composition of thermally altered coal and biomass*

T. Troskot-Čorbić, D. Španić: *Organic facies of the Upper Jurassic sediments in the Poštak Mountain, Croatia*

J. Urbanczyk, M.A. Fernandez Casado, T.E. Díez, A.G. Borrego: *Spectral fluorescence variability of pollen and spores from peat-forming plants*

B.J. Valentine, P.C. Hackley, A.M. Bove, C.B. Enomoto, C.D. Lohr, K.R. Scott: *Organic petrology of the Aptian section in the downdip Mississippi Interior Salt Basin, Mississippi, USA*

The deadline for submitting papers to International Journal of Coal Geology has been extended to January 31, 2014

Sponsors

DEADLINE FOR NEXT ICCP NEWS :

2ND JUNE 2014

THE SOCIETY FOR ORGANIC PETROLOGY

31st Annual Meeting, Sydney, Australia
27 September 3 October 2014
Rydges World Square Hotel

This conference is intended for geoscientists from a wide range of areas, including researchers and practitioners in the coal and petroleum industries as well as those with more academic interests in different aspects of natural organic matter. Participation by students is especially encouraged.

Conference themes
- Microbiology of organic-rich rocks
- Unconventional hydrocarbon resources
- Fugitive emissions and CO_2 storage
- Coal behaviour during utilisation
- New techniques in organic petrology and geochemistry

Meeting program
- Oral and poster presentations
- Short courses: Digital core analysis; applications of organic petrology
- Field trips: Southern Coalfield coal and gas; Hunter Coalfield geology and mine visit
- Icebreaker reception and Conference Dinner

See: **http://www.tsop.org** or **http://wp.csiro.au/tsop2014/**
Contact: Kaydy Pinetown - kaydy.pinetown@csiro.au
Colin Ward - c.ward@unsw.edu.au

TSOP SYDNEY 2014

Membership Matters

please keep your email contact current - or you will miss out on important information

Contact Updates

Dr. Mária Hámor Vidó
Deputy Director
Geological and Geophysical Institute of Hungary
Stefania st. 14
Budapest, 1143
Hungary
Tel: +36 1 36 37 270
Tel: +36 1 36 37 840
Mobil 1:+36 30 84 14 053
Mobil 2:+36 20 37 46 796
Fax: +36 1 36 37 256
mailto: vido.maria@mfgi.hu
mailto:hamorvido@gmail.com
http://www.mfgi.hu

Wayne Knowles
Organic Petrologist
Geochemical Services Group
Weatherford Laboratories
Torridge House
4 Buttgarden St.
Bideford
Devon
EX39 2AU
UK
Direct: +44.(0)560.331.5333
Fax: +1.281.681.0326
mailto:Wayne.Knowles@weatherfordlabs.com | www.weatherfordlabs.com

Jolanta Kus now works in the Section "Geochemistry of Energy Resources and Gas Monitoring" with other details unchanged.

Joachim Koch has a new email address: joachim.koch002@kabelmail.de

Henrik I. Petersen
Lead Petroleum Geochemist
Geoscience Service Team
Exploration Department
Maersk Oil
Esplanaden 50
DJK]1263 Copenhagen K
Denmark
Email: henrik.ingermann.petersen@maerskoil.com

Welcome to ICCP

Ms Nathalie **Bou Karam** (A1)
SGS
13 Interlink Court
Paget
Qld 4740
Australia
Ph. +61-7-4951 5400
mailto:nathalie.karam@sgs.com

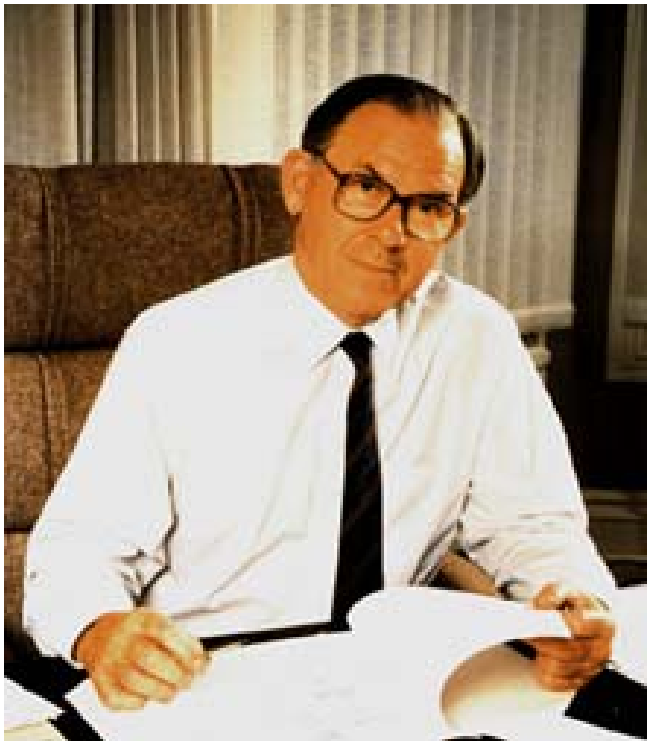
Nathalie Bou Karam obtained a Master of Professional Engineering in Chemical Engineering from the University of Sydney, NSW, Australia, as well as Bachelor of Science, specializing in Chemistry from the University of Balamand, El Koura, Lebanon. She has been responsible for the laboratory testing of petroleum products for ExxonMobil in Lebanon. In 2010 Nathalie was employed at Energy Resources Consulting to undertake coal petrographic analyses as well installation and calibration of laboratory equipment. She currently works for SGS in Central Queensland (Mackay), continuing work with coal petrographic analyses. Her application is supported by Dr Peter Crosdale.

Ms Nikola **Van de Wetering** (A 1)
University of Queensland
School of Earth Sciences
St Lucia
Qld 4072
Australia
mailto:n.vandewetering@uq.edu.au

Nikola is an undergraduate research student at the University of Queensland. She has training in Geology and is currently undertaking research using core analysis, including coal lithotype logging, stable isotope (δC13) analysis, coal petrography (maceral and phyteral identification), palynofacies and palynological analysis. Nikola's application is supported by Dr Joan Esterle.

Passing Members

Duncan G. Murchison, 1928-2013



Professor Duncan George Murchison, FRSE, passed away on Nov 13th, 2013.

Duncan had a long and distinguished career in many aspects of UK and international geosciences and academia as a researcher, academic leader, learned society officer and as an entrepreneur.

Professor Murchison was the father of organic petrology in the United Kingdom. He graduated in Geology from King's College, Newcastle where he was President of the Students' Union from 1953 to 1954. He then worked as a geologist with Royal Dutch Shell, completing his Ph.d. with Stanley Westoll at the Geology Department of Durham University prior to his appointment as a Research Associate in the Department of Geology in Newcastle in January 1958. He was appointed Lecturer in 1960, promoted to Senior Lecturer in 1968, appointed as a Reader in Geochemistry in 1971 and appointed Professor of Geochemistry at the University in 1976. He was Dean of the University's Faculty of Science from 1980 to 1983 and he served as Pro-Vice-Chancellor from 1986 until his retirement in 1993. During this period he also served as Acting Vice-Chancellor for one year in 1991. He was accorded the title of Emeritus Professor on his retirement. He was a Fellow, council member and treasurer of the Geological Society of London and a member of a number of international commissions. He served as President of the Royal Microscopical Society and was ICCP Treasurer for many years and also President (1979 - 1983). Duncan was the 1987 Thiessen medallist and lifelong honorary member of TSOP.

He had numerous papers and his first paper was published on 1958 "Reflectance of vitrinite. Brenstoff. Chem. (Special Issue, 2nd International on Coal Sciences, 39, pp.547-51". Together with Mick Jones, Fari Goodarzi, Alan Cook and many others, he developed and published an important body of work on the optical properties of metal oxides, ore minerals, natural and carbonised coal macerals and the impact of igneous intrusions on coal rank and DOM in sediment maturity levels. Duncan carried out pivotal early work in establishing vitrinite reflectance as a front line tool for assessment of coal and sediment thermal history and also compiled an important early textbook on the British Coal Measures: "Coal and Coal Bearing Strata, Oliver and Boyd, Edinburgh" that was published in 1968 together with Professor Stanley Westoll FRS.

Duncan was nominated and elected fellow of the Royal Society of Edinburgh in 1971 and his citation read: "Dr Murchison is a most active worker in the field of Coal Petrology and of Organic Geochemistry applied to the origin and discovery of gas and liquid fuels. While his earlier works focussed on the use of vitrinite reflectance in studies of coal rank and the thermal history of coals and related sediments, he was also a recognised expert in reflectance measurements of materials studied as polished surfaces and has applied these techniques to problems of technological value such

as carbonization products , uranium oxide sinters, and ore minerals".

Despite being the first practical thermal history assessment tool, vitrinite reflectance has remained a mainstay of modern thermal history assessment for conventional petroleum exploration and geological history reconstruction and is a primary technology applied to exploration and development of shale gas and other unconventional resources today. Duncan's work has been applied in many different aspects of resource evaluation and has had longevity of impact!

He was founder of the "Organic Geochemistry Unit", in the Department of Geology at Newcastle in 1968, which together with Archie Douglas and Mick Jones became the UK centre for coal petrology and organic geochemistry starting the first graduate degrees in this area. Duncan supervised and trained numerous post graduates until his retirement. The OGU became a Postgraduate P -institute during the ``reorganisation of Earth Sciences`` in British Universities in the late 1980`s and became FFEGI (Fossil Fuels and Environmental geochemistry Postgraduate institute, but was commonly known as NRG. The OGU and its descendents trained many scientists who ply their trade today in all continents of the world. Duncan was one of the pioneers of Coal Petrology in the UK and many of the Coal and Organic Petrologists currently working in Coal Science and Fossil Fuels today hailed from the Unit in Newcastle-upon-Tyne, UK which he founded.

Duncan was very friendly, full of laughter, but very serious when it came to science. He was Duncan to his friends, Duncan G. Murchison to the academic world, and "Smurch", to those who will miss him most, including his many students. Above all, he will be remembered by all who knew him as a very colourful fellow, always jovial, a man of great character , He was a keen photographer and a philatelist, an expert in the "Sea Lion" stamp of George the V. He was also an entrepreneur. Together with Mick Jones he established a successful geological consultancy at Newcastle carrying out vitrinite reflectance measurements for oil and gas companies and drilling services in the Newcastle area looking for old coal workings

Duncan made extraordinary contributions to learned societies and won the Geological Society Distinguished Service Award of 2007 to recognise his massive contribution as the Society's Treasurer. There he oversaw a complete revision of the Society's accounting methods, bringing them into line with new charity accounting rules and the modern world. He basically laid the foundation of financial probity that now enables a revitalised Geological Society to spring forward from its Bicentenary into its second 200 years. In the words of Ted Nield, "All of this was achieved at the expense of long hours of travel from Newcastle - including many letters to GNER about the state of their toilets - and was done with a characteristic sense of good humour that made the acceptance of unpalatable necessities that much easier".
Duncan Murchison was a great man and scientist and he will be missed by all who knew him.

Steve Larter, Fari Goodarzi and Judith Potter.

Petr Petrovich Timofeev, 1918 - 2008

Timofeev Petr Petrovich (born 14.11.1918, Vyazma-town of the Smolensk district - died 20.05.2008, Moscow), Professor, Doctor in geology and mineralogy, corresponding member of the Academy of Sciences of the USSR, was an active member of ICCP. He graduated from the Lomonosov Moscow State University (Geological Faculty) in 1943. He worked at the Ministry of Coal Industry as a chief engineer and led a scientific team (1943-1947) at the Geological Institute of the USSR Academy of Sciences., Head of the Lithology Department, and then the Director of the Institute (1986-1988); Advisor of the Presidium of the Russian Academy of Sciences, Head of the Chair of Lithology and Marine

Geology in the Moscow State University. P.P. Timofeev was an outstanding specialist in genetic sedimentology, in lithological-facies and formational analysis, paleogeography, and coal geology. Principle objects of his studies were coal-bearing formations. He himself carried out or directed research on numerous coal basins in the Russian Federation, so increasing our understanding of the genesis of sediments, structure and composition of coal seams, and provided the basis for prediction and development of coal deposits. In cooperation with Dr. L.I. Bogolyubova he investigated peat land in the Baltic Region, Georgia, Cuba, and Florida (USA). He took part in the 48th leg of the drilling R/V Glomar Challenger, during which he guided studies of the facies composition of sediments of the World Ocean, with participation of specialists from the Geological Institute of the Academy of Sciences of the USSR. The scientific heritage of the scientist is over 400 publications, 12 monographs among them:

- Jurassic coal formations of the Tuva intermontane trough, M., 1964.
- Geology and facies of the Jurassic coal formation in South Siberia. M.: Nauka, 1969.
- Jurassic coal formation in South Siberia and its formation setting. M,: Nauka, 1970.
- Sedimentogenesis, early lithogenesis and geochemistry of organic matter of Holocene deposits in areas of coastal peat accumulation (Kolkhida, South Baltic Region, West Cuba, Florida) (in cooperation with L.I. Bogolyubova) Vol.1-3, M: Nauka, 1996-1999.
- Evolution of coal formations in the history of the Earth. M: Nauka, 2006.

V.I.Koporulin
I.E.Stukalova

Professor William Spackman passed away on March 13th, 2014 at the age of 94 in Willmington, Carolina. Professor Spackman was a most influential coal scientists with a long and illustrious career in teaching, research and service at Penn State University. He was a former President of TSOP. Professor Spackman's family have provided a link to forward your personal condolences and tributes:
http://www.legacy.com/obituaries/starnewsonline/obituary.aspx?n=william-spackman&pid=170222947

ICCP Awards and Calls for Nominations

ICCP offers a number of awards to recognise outstanding achievements in coal and organic petrology at various stages of career development. Awards available and a brief summary are given below. Full details on the nature of the award, its terms and conditions and how to apply can be found on the ICCP home page at http://www.iccop.org or by contacting the chair of the award committee (see inside front cover). More information as to the criteria considered for each award can be found on page 9 of this issue (ICCP News 51)

Thiessen Medal

This is the highest award offered by ICCP. It recognises a lifetime of achievement and outstanding contributions in the fields of coal and organic petrology. The award consists of a bronze medal. The award committee consists of the five most recent medalists. Awards are made from time to time but applications are called for every 2 years.

For details of procedures and nominations, contact:

Dr. Ángeles Gómez Borrego
ICCP General Secretary
Instituto Nacional del Carbón, CSIC
Apartado 73
33080 Oviedo
SPAIN
Ph. +34-98-511 9090
Fax +34-98-529 7662
mailto:angeles@incar.csic.es

Organic Petrology Award

The Organic Petrology Award recognises outstanding contributions by coal and organic petrologists at an intermediate stage of their career. It is limited to applicants under 50 years of age. The award consists of a bronze medal and a certificate. Awards are made from time to time but applications are called for every 2 years.

The award committee currently consists of the Thiessen Medal Committee as a transitional arrangement as well as the most recent awardees. Eventually, the award committee will consist of the five most recent recipients. Contact:

Dr. Ángeles Gómez Borrego
ICCP General Secretary
Instituto Nacional del Carbón, CSIC
Apartado 73
33080 Oviedo
SPAIN
Ph. +34-98-511 9090
Fax +34-98-529 7662
mailto:angeles@incar.csic.es

ICCP Services

Accreditation Programs

- **Maceral Group Analysis of Coals**
  convenor: Dr Kimon Christanis
  Department of Geology
  University of Patras
  26500 Rio-Patras, GREECE
  Phone +30-2610-99 7568/Fax+30-2610-99 1900
  mailto:christan@upatras.gr

- **Vitrinite Reflectance of Coals**
  convenor: Dr Kimon Christanis

- **Coal Blend Analysis**
  convenor: Dr Isabel Suárez-Ruiz
  Instituto Nacional del Carbón - CSIC
  Apartado 73
  33080 Oviedo, SPAIN
  Phone +34-98-511 9090 / Fax: +34-98-529 7662
  mailto:isruiz@incar.csic.es

- **Vitrinite Reflectance of Dispersed Organic Matter**
  convenor:Dr. Ángeles Gómez Borrego
  ICCP General Secretary
  Instituto Nacional del Carbón, CSIC
  Apartado 73
  33080 Oviedo
  SPAIN
  Ph. +34-98-511 9090
  Fax +34-98-529 7662
  mailto:angeles@incar.csic.es

For more information, contact the convenors of the programs.

ICCP Reflectance Standard

Check the calibration of your reflectance standard against the ICCP standard!

For more information contact

Dr. Walter Pickel:
Director - Organic Petrology
Coal & Organic Petrology Services Pty Ltd
P.O. Box 174
Sans Souci, NSW 2229
Australia
Ph: +61-2-9524 0403 / Fax +61-2-9526 7083
mailto:walter.pickel@organicpetrology.com

Also available through

Dr David Pearson
David E. Pearson & Associates Ltd.
4277 Houlihan Place
Victoria, British Columbia V8N
Canada
Ph:+1-250 477 2548 / Fax:+1-250 477 4775
mailto:dpearson@coalpetrography.com

and

Gerd u. Gisela Bieg
Mikroskopische Untersuchungen
Hirschgraben 2
45721 Haltern am See
Germany
Ph. +49-2364-6285
mailto:mikro-un@t-online.de

Stavros and Sandra Rodrigues enjoying the ice-breaker in Sosnowiec

Call for Participation in the ICCP Accreditation Programs 2014-2015 Exercise

The International Committee for Coal and Organic Petrology (ICCP) is pleased to invite you to participate in the next Accreditation round. The ICCP has three Accreditation Programs:

- ★ **Single Coal Accreditation Program (SCAP)** for both maceral group and vitrinite random reflectance analyses. In this program the ability of an analyst to identify and quantify the maceral groups and to identify and measure the vitrinite reflectance of a coal sample according to ISO standards is tested. **Organizer: Kimon Christanis (christan@upatras.gr)**
- ★ **Dispersed Organic Matter Vitrinite Reflectance Accreditation Program (DOMVR)** In this program the ability of an analyst to identify and measure the reflectance of vitrinite occurring as dispersed vitrinite in rocks such as carbonaceous shales or hydrocarbon source rocks is tested. **Organizer: Angeles G. Borrego (angeles@incar.csic.es)**
- ★ **Coal Blends Accreditation Program (CBAP)** In this program the ability of an analyst to identify the number of coals in a blend and their petrographic characteristics such as vitrinite reflectance and maceral group composition according to ISO standards is tested. Organic petrology is the only technique able to yield information of the individual component coals within a coal blend.Organizer: Isabel **Suarez-Ruiz (isruiz@incar.csic.es)**

The ICCP offers discounts for those participating in more than one accreditation program and has established a procedure to facilitate payments in which a single invoice will be produced. This requires that participants fill in the **registration form** available in the following link www.iccop.org/accreditation/accreditation-form before the **end of April 2014** in order to expedite the procedures. In addition the timing of the exercises has been spaced to reasonably distribute the analytical load of the participants along the year. The expected timing is summarized in Table 1.

Table 1. General Schedule Proposed for 2014-2015 ICCP Accreditation exercises

	SCAP	DOMVR	CBAP
Announcement, call for participants and invoicing	February to May 2014	February to May 2014	February to May 2014
Sample distribution	April to June 2014	May to June 2014	December 2014
Return of results	July to September 2014	October 2014	January to March 2015
Evaluation, Certificates and Web	October to December 2014	December 2014	April to June 2015
Certificate Validity	01.01.2015 to 31.12.2016	01.01.2015 to 31.12.2016	01.07.2015 to 30.06.2017

Different number of samples are to be analysed in the programs depending on your previous participation. Participants entering SCAP or DOMVR programs or having lapsed for a round, have to analyse six samples, whereas continuation in the program requires the analysis of two samples. For CBAP, new entrants are expected to analyse two samples and continuation requires the analysis of a single sample.

No participation of automatic systems will be allowed in this round.

The samples for the exercises will be distributed once the organizer has been informed by the treasurer about the reception of the corresponding fee. The fees for the next Accreditation Round are summarized in Table 2. In addition, for participation in two ICCP accreditation programs a 10% discount will be applied in the two

of them and for participation in the three accreditation programs a 20% discount will be applied in the three of them.

Table 2. Fees for the 2014-2015 ICCP Accreditation Programs exercise.

	SCAP		DOMVR		CBAP	
	Entry	Continuation	Entry	Continuation	Entry	Continuation
Non-Memb €	126	84	100	66	200	168
Members €	63	42	50	33	100	84

Further details on the Accreditation Programs, evaluation procedures and screening method to limit outliers in the accreditation database can be found at the ICCP website (www.iccop.org) and can be also received by contacting the respective program organizers.

The ICCP accreditation programs have grown up and consolidated over the years and are now an efficient instrument for checking the ability and method of an analyst for petrographic analysis. If you are interested in joining the programs, please contact the corresponding organizers.

Deolinda Flores
Chair of the Accreditation Subcommittee

66th ICCP Meeting
Kolkata, India
September 20 - 27, 2014

Hosted by CSIR-Central Institute of Mining & Fuel Research, Council of Scientific and Industrial Research, Ministry of Science & Technology, Government of India, Dhanbad, PIN-828108, Jharkhand, India

mailto: singh_ak2002@yahoo.co.in and
iccp_india14@yahoo.com
http://www.iccp.org
http://www.cimfr.nic.in

Welcome to ICCP Kolkata 2014

We are very pleased to welcome you to the 66th Annual Meeting of ICCP that will be held at Kolkata during September, 2014. We will bring you a professional and compelling scientific program that will be a significant resource for your research and studies. It is indeed a great honour on us to have the great opportunity to host such a great international event on coal and organic petrology in India for the first time.

The ICCP 2014 meetings (20-24 September 2014) will be linked by one day symposium on 25th September 2014 and two-day (26-27 September 2014) field trip to Sundarbans Delta (a world cultural heritage site) near Kolkata. Delegates will be offered the option of separate or combined registration for the ICCP meeting and field trip. This will afford participants the maximum flexibility to meet their own professional and scientific requirements and serve their best interests.

We will be very grateful if participants could submit their papers for above symposium before July 15, 2014.

Sponsors
Above event is likely to be hosted by several government & multinational organizations/industries.

International Advisory Committee

Dr Petra David, President ICCP
Dr Angels Borrego, General Secretary
Dr Joan Esterle
Dr Walter Pickel
Dr Colin Ward
Dr Lila Gurba
Dr Isabel Suarez
Dr Stavros Kalaitzidis
Dr Jolanta Kus
Dr Paul Hackley
Dr Jim Hower
Dr Prof. Shifeng Dai
Judith Potter, President TSOP
Dr Deolinda Flores
Mr Graham O'Brien
Sushil Gupta
Prof Ivana Sykorova, Czechoslovakia
Dr Kaydy Pinetown

National Advisory Committee

Prof. Samir K. Brahmachari, DG, CSIR
Vice Chancellor, BHU
Chairman, Coal India Limited
Chairman, NLC
Chairman, SAIL
Chairman, NTPC
Dr. Amalendu Sinha
Prof. D. Chandra
Dr. Amitava Bandopadhyay, ISTAD
Chairman, Tata Steel
CMD, CMPDIL, Ranchi
CMD, BCCL, Dhanbad
CMD, ECL, Asansol
CMD, WCL, Nagpur
CMD, SECL, Bilaspur
Dr. P. Paul Roy
Dr. B. D. Singh
CMD, NCL
CMD, MCL
CMD, CCL
Director Technical, CIL
Mr. Shekhar Sharan D.T. (CRT), CMPDIL
Prof A. K. Varma
Prof. Mahendra P. Singh

Organizing Committee

Dr. Amalendu Sinha-Chairman
Asim Choudhury
Nandita Choudhury
Dr Ashok K Singh-Organizing Secretary
S. Biswas
T. Gauricharan
Dr. S. P. Singh
Mr. Moti Lal Banra
Mr. Aloke Chattopadhyay
P. Boral
N. K. Shukla
Mr. Vivek Singh
Saroj Kumar

Dr. Ashok K. Singh
Organizing Secretary, ICCP-2014
Head, Coal Petrology & Head, Coal Characterization
Central Inst. of Mining & Fuel Research, CSIR, Govt. of India,
P.O. F R I, Dhanbad-828108, India, Mobile:+91 9431317806,
Ph +91 326 2388361/320/321, Fax+91 326 2381113/361/336

Host Institution

Central Institute of Mining & Fuel Research,
CSIR, Ministry of Science & Technology,
Govt. Of India, P.O. F R I, Dhanbad-828108, India,
Mobile:+91 9431317806, Ph +91 326 2381111,
Fax+91 326- 2381113/361/336

- Technology upgradation
  - Development and adaptation of mass production technology in underground mining for safe and economic extraction of thick and/or steep seams
  - Establishing a centre of excellence for application of numerical methods to mining problems
  - Establishing a centre of excellence for coal petrology
  - Coastal Placer Mining
- Mines safety
  - Monitoring for gas and fire
  - Development of wireless multimedia communication for Indian mines
  - Application of 'Robots' in difficult and risky situations
  - Detection and mapping of old and unapproachable workings and stabilization of unstable areas
- Providing scientific support to 'Disaster Management' specially in underground coal mines
  - Detection of any increase of temperature at the earliest
  - Identification and demarcation of water bodies in mines
  - Use of ground penetration Radar to assess barrier
  - Developing a technology for location of trapped miners
  - Design and installation of safety chambers where miners can take shelter
- Environmental issues
  - Utilization and disposal of fly ash
  - Developing a numerical-cum-statistical model for projecting environmental impacts of mining operation
  - Wasteland management in mining areas
- Equipment utilization
- Establishing a centre for design and development of mine supports and mine equipment and other plant and processing equipment
- Alternative energy sources
  - Coal Bed Methane (CBM)
  - Underground Coal Gasification (UCG)
- Perfecting ground control technology for tunneling & underground caverns
- Optimizing slope stability in open cast mines
- Clean coal initiative
  - Innovative mining initiatives to exclude obvious dirt in coal
  - Creation of a data bank regarding permeability of coal in situ, sorption behaviour and gas diffusion characteristics for sequestration of CO_2 in deep coals mines
  - Advanced techniques including dry and wet beneficiation for upgradation of coal quality
  - Improvement of efficacy of power generation to realize much of the installed capacity through use of beneficiated coal and have a recourse to more efficient power generation cycles including promotion of co-generation systems and near-zero emission technologies
  - Gasification of high ash Indian coals for the generation of power, chemical feedstock and liquid fuels
  - Co-combustion/ co-gasification of coal with bio mass
  - Oxy-fuel combustion and post combustion capture
  - Direct liquefaction of high Sulphur Indian coals (North-East region) for generation of specification grade liquid fuels
  - Utilization of North-East coal for different industries
- Augmentation of better indigenous reductant for steel making and other metallurgical purposes for inferior coals
- Design and development of energy efficient coke oven including power generation from waste heat
- Development of coal-based value added carbons of varied specification
- Reduce dependence on petroleum feed stocks through conversion of coal or organic wastes into synthetic fuel and other chemicals/feed stocks
- Continuation of the national task of resource quality assessment in alliance with coal producing industries
- Societal mission
  - Utilization of discharged mine water for the community
  - Socio-economic development of people residing in mining areas

66th International ICCP Meeting on Coal Petrology in India during 16-27 September 2014

The International Committee for Coal and Organic Petrology (ICCP) is the main body on basic research on coal petrographic entities of coal and organic matters mostly fossil fuels. For more than 65 years it has organised different activities on basic research on coal petrography involving the talented petrographers from across the globe. Among the main activities of the ICCP, it appoints different commissions/working groups on different themes/topical issues on coal & petrography and through rigorous exercises among member experts performs round robin test to standardise the procedures on various themes, which on finalisation in its general body/Council meetings is given to different standardisation bodies like ISO, ASTM, AS, etc. for follow up. It arranges Accreditation programmes to create a pool of accredited coal petrographers through rigorous exercises and provides trainings on basic to applied aspects of coal petrography at different venues. It also arranges geological field trips on fossil fuel exploration/environmental aspects.

Till now, 65 ICCP meetings and symposia have been arranged in different countries, but none in India. It is for the first time in the history of Indian coal science & technology that International Committee for Coal & Organic Petrology (ICCP) has been pleased to host its International Training on Coal Petrology, Five days International Working Groups/commissions meeting (66th ICCP meeting) and one day symposium on coal during 25th September, 2014 in India. It was finalized, during this year's ICCP events, at Sosnowiec, Poland during 25th August - 1st September 2013 in the general Body & Council Meetings of ICCP held at Sosnowiec Poland.

The ICCP Council also approved hosting the events in India in following phases during the year 2014:

Sl. No.	ICCP Event	Venue	Dates
1.	International Training on Coal Petrology for Industrial Applications of Coal *(Organic Petrology for Industrial applications)*	CSIR-CIMFR, Dhanbad	16-19 September, 2014
2.	**Main ICCP Meetings** involving Commission & Working Group Meetings	Science City, Kolkata	20-24 September, 2014
3.	One Day International Symposium on Coal *(Application of Organic Petrography for Power & Steel industries-our preparedness for facing the challenges in coming decades)*	Science City, Kolkata	25 September, 2014
4.	Two Days *Geological Field Tour*	Sundarbans Delta, West Bengal	26-27 September, 2014

In this mega event over 200 delegates including around 100 foreign experts are expected to participate in the training as well as main ICCP activities.

For training purpose, at Dhanbad, it has been proposed to restrict the number of delegates up to 45-50, so as to enable to make standard accommodation facilities in the quality hotels and enable all the delegates to provide hands on training on sophisticated instruments/microscopes available at CSIR-CIMFR. The training programme will culminate on 19th September with field trip in local underground mines and CBM reserve areas/sites of Jharia Coalfield.

Main ICCP event will be hosted at the reputed Science City Auditorium situated in Salt Lake City, Kolkata from 20 to 24 September, 2014. On the final day, 25th September, 2014, a one day International Symposium will be hosted in the same auditorium. In the main ICCP meetings the deliberations/discussions of different Commissions involved on standardization of procedures & new techniques for different coal petrographic and geological techniques will be held from 8am morning till 5pmM evening daily. The final outcome will be dissipated to different standardization agencies to be used by academician & scientific/industrial experts.

On 25th September, the symposium *(Application of Organic Petrography for Power & Steel industries-our*

preparedness for facing the challenges in coming decades) at Science City is planned to be inaugurated by Director General, CSIR, New Delhi or Chairman, Coal India Limited, Kolkata. It will cover topical issues on coal usage for Steel & Power industries with exposures on new & emerging techniques on coal sciences. Another attraction will be the geological tour on 26-27 September 2014 at islands of Sundarbans Delta (A world Cultural Heritage site) in West Bengal state, where one night stay of delegates is planned on cruise with delicious Indian style dining & cultural programme.

In this event, the experts & delegates from countries from Europe, Asia, Africa, America, and Australia with good presence from SAARC countries are expected to participate.

ICCP MEETING-2014, KOLKATA, INDIA

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	20.09.	21.09.	22.09.	23.09.	24.09.	25.09.	26.09.	27.09
8.30-9.00		ICCP Registration						
9.00-9.30		ICCP Welcome	ICCP Commision Meeting	ICCP Commision Meeting	ICCP Commision Meeting	ICCP Symposium	**Geological Field trip	
9.30-10.00								
10.00-10.30								
10.30-11.00		Coffee break	Coffee break	Coffee break	Coffee break	Coffee break		
11.00-11.30		ICCP General Assembly	ICCP Commision Meeting	ICCP Commision Meeting	ICCP Commision Meeting	ICCP Symposium		
11.30-12.00								
12.00-12.30								
12.30-13.00		Lunch break	Lunch break	Lunch break	Lunch break	Lunch break		
13.00-13.30								
13.30-14.00		ICCP Commision Meeting	ICCP Commision Meeting	ICCP Commission Meeting	ICCP Commission Meeting	ICCP Symposium		
14.00-14.30								
14.30-15.00								
15.00-15.30	ICCP Council Meeting	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break		
15.30-16.00		ICCP Commission Meeting	ICCP Commission Meeting	ICCP Commission Meeting	Closing plenary session	ICCP Symposium		
16.00-16.30								
16.30-17.00								
17.00-17.30								
17.30-18.00				ICCP Council Meeting				
18.00-18.30	Registration and Ice-breaking party/*Welcome dinner							
18.30-19.00								
19.00-19.30								
19.30-20.00								
20.00-20.30		*Dinner	*Dinner	*Dinner	Conference dinner	*Dinner		
20.30-21.00								
21.00-21.30								
21.30-22.00								

Note: * Dinner/Lunch planned to be sponsored.

** Field trip may be one or two days based on feedback from delegates/ICCP.

Registration Fees & Other Costs for ICCP-2014

Items	Members	Non-Members	Student	Remarks
Basic Registration + International Symposium	300USD/	325 USD/	100 USD/	Before July 15, 2014
	325USD/	350 USD/	125 USD/	After July 15, 2014
International Symposium on coal petrography	Nil if registered for ICCP	100 USD/	75 USD/	*USD 25 Extra after 15 July, 2014
Field trip	**175 USD includes transportation, meals and 1-night accommodation (if needed). *For spouse:* **100 USD, includes transportation, meals and 1-night accommodation (if needed) (double occupancy with registering partner). (** Note: Tentative)			
Banquet	Likely to be Sponsored			
Ice-breaker/Welcome Dinner for guest	Likely to be Sponsored			

Training Options

Items	Company / Professional	Government / non-profit	Student	Remarks
Four day (16-19 September 2014)- Comprehensive course on "Organic Petrography for Industrial Applications" with practical demonstrations	1400 USD	800 USD	300 USD	*USD 25 Extra on registration after 15 July, 2014

Important Dates

- **Venue:** Science City, Salt Lake, Kolkata.
- **DATE OF ICCP MEET & SYMPOSIUM:** 20-25 September 2014.
- **Date of ICCP Field Trip:** 26-27 September 2014.
- **ICCP Training**: 16-19 September, 2014 at CIMFR, Dhanbad.
- **Geological Field Trip:** 26-27 September, 2014, Sundarban Delta, West Bengal.

7th ICCP Course: Dispersed Organic Matter
23-27 June, 2014, GFZ, Potsdam, Germany

The International Committee for Coal and Organic Petrology (ICCP), in conjunction with Geolab, DGG (Deutsche Gesellschaft für Geowissenschaften), the Teichmüller Foundation and GFZ (the German Research Centre for Geosciences), is pleased to announce a five-day training course in Dispersed Organic Matter to be held in Postdam in June 2014.

Instructors will be Prof. João Graciano , Universidade Federal do Rio de Janeiro, Brazil and Dr. Angeles G. Borrego, Instituto Nacional del Carbón, CSIC, Oviedo, Spain. Course notes and Powerpoint presentations will be available for the participants.

The ICCP Training Course in Dispersed Organic Matter is aimed at researchers, postgraduate students, geologists and other professionals working in the field of oil and gas exploration. The maximum number of participants is 20.

A Certificate of participation will be awarded to each person completing this course.

1. Program and Schedule (tentative)

The following items will be covered in the course:

1. Dispersed Organic Matter (DOM): Concepts and definitions
   - OM production, processes and sedimentation
   - OM evolution and chemical composition of biomass
2. Transmitted light microscopy techniques (white and blue lights)
   - Sample preparation
   - Classification of OM
   - Maturation: SCI-Spore Colour Index; spectral fluorescence parameters
   - Applications: organic petrography, palynology and palynofacies
   - Organic facies
3. Reflected light microscopy techniques (white and blue light)
   - Sample preparation and Standardization
   - Petrography of OM: Nomenclature and applications
   - Maturation: huminite/vitrinite reflectance and spectral fluorescence
4. Case studies
5. Practical sessions

Carl Hilgers Technisches Büro

FOSSIL Reflectance Measurement

Emphasis will be given to practical exercises. Practical session facilities will be provided by Hilgers Technisches Büro, using a microscope coupled to an image projector equipped with FOSSIL software for reflectance measurement, documentation and training.

2. Registration Fees

Fees for the course include course materials (Course notes and Powerpoint Presentations), coffee-breaks and

lunches. The price for the course as follows:

Company / Professional:	1300 €
Government / non-profit:	700 €
Students:	250 €

Those interested in participating in this course should send the ICCP-2014-registration-form (http://www.iccop.org/wpICCP/wp-content/documents/uploads/ICCP-2014-registration-form2.pdf) to Mrs. Antje Treutler mailto:treutler@gfz-potsdam.de

3. Payment

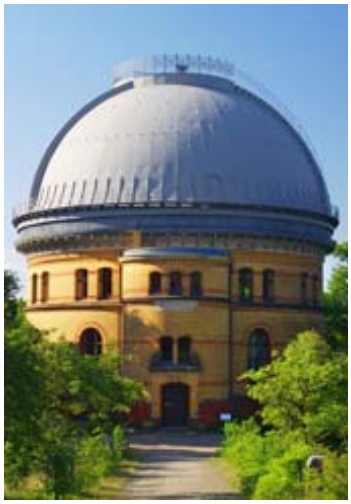
Payment has to be settled before the start of the course. After registration participants will receive a proforma invoice with the amount due and all bank account details for bank transfer and/or for payment with credit card (only VISA and MASTERCARD) from the ICCP Treasurer Mrs. Jennifer Pearson.

4. Registration

The registration form ICCP-2014-registration-form can be downloaded from:
http://www.iccop.org/wpICCP/wp-content/documents/uploads/ICCP-2014-registration-form2.pdf

5. Venue

The course will be held at the GeoLab at the:



Helmholtz Centre Potsdam
GFZ German Research Centre for Geosciences
Telegrafenberg
14473 Potsdam, Germany

The Helmholtz Centre Potsdam GFZ German Research Centre for Geosciences has a good connection to the railway service and to the international airports of Berlin. From Berlin there is an easy access by public transport. From the Potsdam-Hauptbahnhof you can walk in 15 Minutes to the Campus Albert Einstein. A detailed location plan is available from the GFZ-website (http://www.gfz-potsdam.de/zentrum/ueber-uns/anfahrt/potsdam/).

The GeoLab is situated in Building A27, Big Refractor (Grosser Refraktor), a campus plan is also available from the GFZ-website (http://www.gfz-potsdam.de/zentrum/ueber-uns/anfahrt/potsdam/).

6. Accommodation

Participants should book their own accommodation. A special arrangement have been made with:

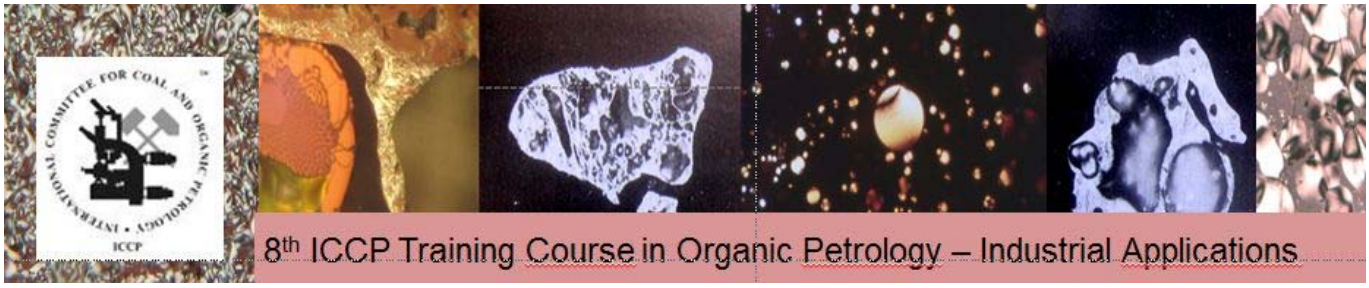
Mercure Hotel
Lange Brücke
14467 Potsdam -
Tel.: +49 (0)331/ 272-2
Fax: +49 (0)331 / 293-496
mailto:h1582@accor.com
www.mercure.com

Costs: Single room: 74 € incl. breakfast, Double room: 89 € incl. breakfast

Please refer to special rate 'ICCP Training'.The special rate is valid until: 26.05.2014

More hotels in Potsdam can be found at: Hotels in Potsdam (http://www.potsdam.de/cms/ziel/26854/EN/)

8th ICCP Training Course: Organic Petrology in Industrial Applications, CSIR-CIMFR, Dhanbad, India



In conjunction with the 66th ICCP meeting in Kolkata, India ICCP will organise a training course – Organic petrology in Industrial Applications. The course will be held at the CSIR-CIMFR, Dhanbad, India from 16-19 September 2014. It is designed as a three day course and a one day field trip. One day of the training will be dedicated to General Concepts and two days will deal with different applications (50% theory and 50 % practice). The trainers will be Dr. Isabel Suárez-Ruiz, Instituto Nacional del Carbón – CSIC, Oviedo, Spain and Dr. Walter Pickel, Coal & Organic Petrology Services Pty Ltd, Sans Souci, Australia.

1.General Outline of the course

Theory:

1. Coal genesis (geology and geochemistry)
2. Coal Composition: Lithotypes, Macerals and Microlithotypes
3. Coal rank and rank parameters.
4. Petrographic analyses: maceral and microlithotype analyses, vitrinite reflectance analysis and the use of fluorescence.
5. Basic factors controlling quality and technological behavior of coal.
6. Organic petrology applied to

★ Mining and beneficiation
★ Oil and Gas exploration
★ Coal carbonization
★ Coal combustion and co-combustion
★ Coal gasification
★ Coal liquefaction
★ Coal derived carbon materials
★ Coal as petroleum source rock and reservoir rock
★ Environmental issues

Practice:
Practical session on petrographic techniques: The use of the reflected light microscope, identification of coal components, point-counting analysis, reflectance measurements, fluorescence analysis (all by pre scanned analyses on a screen with the group) on coals of different type and rank, coal blends, residues from coal utilization.

2. Registration Fees

Fees for the course include course materials, coffee-breaks and lunches. The price for the course and field trip is as follows:

Company / Professional:	1400 US$
Government / non-profit:	800 US$
Students:	300 US$

Those interested in participating in this course should send the ICCP-2014-registration-form-india (http://www.iccop.org/wpICCP/wp-content/documents/uploads/ICCP-2014-registration-form-india.pdf) to the ICCP General Secretary Angeles G. Borrego at angeles@incar.csic.es .

3. Payment

Payment has to be settled before the start of the course. After registration participants will receive a proforma invoice with the amount due and all bank account details for bank transfer and/or for payment with credit card (only VISA and MASTERCARD) from the ICCP Treasurer Mrs. Jennifer Pearson.

4. Registration

The registration form can be downloaded from:
http://www.iccop.org/wpICCP/wp-content/documents/uploads/ICCP-2014-registration-form-india.pdf

5. Venue

The course will be held at the CSIR-CIMFR, Dhanbad, India

More detailed information on accommodation and travelling will be provided in spring 2014.

Answer to Know Your Coal Petrologist #52

Apart from having a super time at the ice breaker in Sosnowiec, Antonis Bouzinos (L), Paddy Ranasinghe and Dave Pearson (R) all have strong links to Australia. Antonis and Paddy both live and work there while Dave spends so much time at his operations in Oz that he probably wants to become and Australian!!

WHAT'S HAPPENING

6 - 9 April 2014

APPEA (Australian Petroleum Production and Exploration Association), Perth, Western Australia.
http://www.appeaconference.com.au/

6 - 9 April 2014

AAPG Annual Convention and Exhibition, Houston, USA.
http://ace.aapg.org/2014/

28 Apr - 1 May 2014

Coal Prep 2014, Lexington, USA.
http://www.coalprepshow.com/

23 - 27 June 2014

7th ICCP Course: Dispersed Organic Matter, GFZ, Potsdam, Germany.
http://www.iccop.org/

14 - 17 September 2014

AAPG International Conference and Exhibition, Istanbul, Turkey.
http://ice.aapg.org/2014/index.cfm

16 - 19 September 2014

8th ICCP Training Course: Organic Petrology in Industrial Applications, CSIR-CIMFR, Dhanbad, India.
http://www.iccop.org/

20 - 27 September 2013

6th ICCP, Kolkata, India
mailto:singh_ak2002@yahoo.co.in
mailto:iccp_india14@yahoo.com
http://www.iccp.org
http://www.cimfr.nic.in.

27 Sept - 3 Oct 2014

31st TSOP Meeting, Sydney, Australia.
http://wp.csiro.au/tsop/2014
mailto:kady.pinetown@csiro.au

May 2015

International Conference on Clean Coal Technologies CCT2015, Krakow, Poland.
http://www.iea-coal.org.uk/site/2010/conferences/cct?LanguageId=0

Underground - Tarnowskie Gory, Sosnowiec, 2013

ICCP Publications and Training Materials

ICCP publications are available by ordering from the editor. **DO NOT SEND PAYMENT** - an invoice will be issued for payment.

Orders to

Dr Peter Crosdale
ICCP Editor
PO Box 54, Coorparoo, Qld 415, Australia
mailto:peter.crosdale@energyrc.com.au

ICCP Handbook

★ *International Handbook of Coal Petrography 2nd Edition (1963)* (in English) as CD ROM
PC and Mac Compatible
Requires Adobe Acrobat Reader Ver. 4 or above
ICCP / TSOP member - **20€** (including postage)
ICCP non-member - **40€** (including postage)

★ *International Handbook of Coal Petrography, supplement to the 2nd edition*, second print (in English) 1985 - **24€**

★ *International Handbook of Coal Petrography, 2nd supplement to the 2nd edition* (in English) 1986 - **8€**

★ *International Handbook of Coal Petrography, 3rd supplement to the 2nd edition* (in English) 1993 - **16€**

Prices do not include shipping unless stated or cost of money transfer.

Atlas of Anthropogenic Particles

A digital atlas of anthropogenic particles largely derived from fossil fuel sources. The atlas contains 543 images grouped by source and by site of occurrence. For details, see ICCP News No. 39, November 2006 pp 55 - 56.
Cost: **16€** including postage

ICCP Training Material on Vitrinite Reflectance Measurements in Dispersed Organic Matter

A CD and set of 4 polished grain mounts to be used as training material for learning about the appearance of dispersed vitrinite in rocks and about the measurement of its reflectance. Only a limited number of grain mounts are available. CDs can be purchased separately. For details, see ICCP News No. 39, November 2006 pp 53 - 54.
Cost:
CD + polished sample set **40€** including postage (ICCP / TSOP member)
CD + polished sample set **120€** including postage (non-members)
CD only **16€**

ICCP Training kit for spectral fluorescence measurements in Dispersed Organic Matter

The set contains two polished blocks with samples from Posidonia and Irati shales and the excel sheet with the results of the round robin exercises performed on these samples.
Cost:
samples + excel sheet **30 €** including postage (ICCP/ TSOP member)
samples + excel sheet **90 €** including postage (non members)

If undeliverable return to :
Dr P. Crosdale, Editor, ICCP
Energy Resources Consulting Pty Ltd
PO Box 54, Coorparoo, Qld 4151 AUSTRALIA