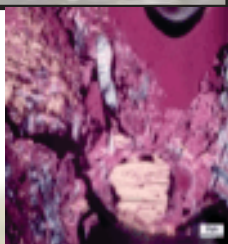
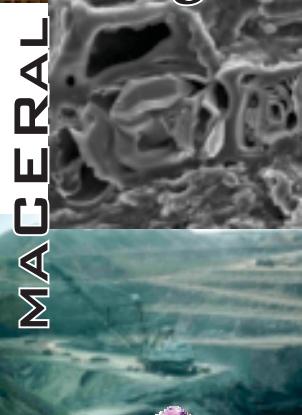


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ICCP Kolkata India 2014



BARRIER OF COAL ACROSS KARARIA NALA.

The elephant is standing on the parting between seams 4 and 5. Photo, L. L. Fermor. (Geol. Survey of India, Mem. vol. xli.)

from Wadia, D.N. (1926) Geology of India for Students. Macmillan, London. 400pp.

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From the Editor

You will find a great deal of information in this newsletter about the upcoming meeting in Kolkata. Having been to India a number of times, I can assure those members who attend will be in for an experience that they will not forget. Some sight seeing is well worth the additional effort and those lucky enough to do the “Golden Triangle” will not regret their choice.

While compiling this edition, the results of the vice-Presidential elections became known. I am greatly honoured to have been elected to this post and I thank Dr Mária Hámor-Vidó who would have also been an excellent choice.

One of the first duties in this post has been somewhat unpleasant. The vice-President has oversight of the short courses. Unhappily, it emerged that there were a number of unforeseen logistical difficulties in holding the course in Dhanbad on the dates required. After a significant amount of correspondence it was decided that the most reasonable course of action was to postpone the training to a later date, yet to be determined but most certainly not in 2014. This decision was taken after the brochure had been circulated and the advice that the Training Course had been moved to Kolkata is no longer valid.

I very much look forward to seeing you all in India.

Peter

From the President

Dear colleagues,

The preparations for the next meeting in Kolkata, India are ongoing and you find more information in this edition of the Newsletter and in the ICCP website.

Although there is quite some travelling involved, I hope that many of you will be able to attend the meeting. More information is available in the ICCP website. It is disappointing to note that the Training Course on Industrial Applications has had to be postponed. Hopefully it can run in 2015.

A training course on Dispersed Organic Matter will take place in June 2014. As previously, the event is a joint venture, initiated and endorsed by the International Committee for Coal and Organic Petrology (ICCP), German Geological Society (DGG), German Research Centre for Geosciences (GFZ), and the Rolf & Marlies Teichmüller Foundation. Again Carl Hilgers will provide microscopic-technical assistance (Hilgers Technisches Büro, Koenigswinter - <http://www.hilgers.com/>). Please check the ICCP website for further information. There are still a few places available and please inform your colleagues and students about this opportunity.

This year we will also call for nominations for the position of President and Chair of Commission III. If you would like to contribute and make suggestions, but you are not able to attend the meeting in Kolkata, please contact the General Secretary.

Looking forward to seeing you either in Potsdam or Kolkata.

Best regards

Petra David
ICCP President

From the General Secretary

Since the beginning of the year we are enjoying the new design of the ICCP website that has received many compliments. The webpage has many functionalities that we may wish to exploit in full. Among them it gives the opportunity of having a permanently updated membership directory, provided that we keep up to date our contact details. I take this opportunity to encourage you to log in into the webpage and update your contact details.

Institutional Members of ICCP



<http://www.tatasteel.com>

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You need your username and if you do not remember your password you can introduce a new one using your e-mail or username. The Chairs and Secretaries of the Commissions have done a great effort in updating the information from the working groups and now that we have had few months of experience with the new design and we are approaching to our 2014 Meeting in India, we are in the best position for making suggestions for improvement.

I would like to invite the ICCP membership to navigate through the whole webpage, explore the information, check the links and come back to the General Secretary with suggestions. We will have the chance to discuss them at the forthcoming meeting. If you have any difficulty to log in, do not hesitate to contact to me at angeles@incar.csic.es. Have Fun!!

Report on the electoral process for Vice-President of the ICCP

The electoral process for the position of Vice-President of the ICCP initiated at the beginning of November 2013. The elections were advanced because of Henrik I. Petersen's resignation at the meeting in Sosnowiec, considering that his new job makes very unlikely his attendance to the meetings. The eligible candidates for the position in accordance with the statutes (11 c, ii) were Dr. Peter Crosdale (Australia) and Dr. Mária Hámor-Vidó (Hungary). During the month of September 2013 both candidates were contacted to provide a brief Curriculum Vitae and a vision of the position to accompany voting documents. These documents are provided at the end of this report.

Letters comprising the instructions to vote, the pre-addressed envelopes and the information of the candidates were sent to the 91 Full members of the ICCP. An e-mail was also sent to them to advise that the process was initiated and that they were expected to receive the documents in the following weeks. Therefore those members who expected to travel during the period had the chance to contact the General Secretary and could request the documents by e-mail. The deadline was established on Friday, February 28th, 2014 in accordance with the Returning Officer giving the members more than three months to vote. The day after the deadline a report was received from the Returning Officer with the results of the elections.

Brief Curriculum Vitae Dr Peter Crosdale



Education

1982 B. Sc. 1st Class Honours in Geology, The University of Newcastle, NSW - supervisor Prof. Dr Claus Diessel
1992 Ph.D. (geology), The University of Auckland, NZ - supervisor Prof. Philippa Black

Work Experience

1982 Mud logger (Gearhart Geodata), Perth
1983 Research Scientist (WAIT - now Curtin University of Technology), Perth
1984 Coal Petrographer (ACIRL), Sydney
1992 Post doctoral Research Fellow and Director Coalseam Gas Research Institute, James Cook University, Townsville
2003 Director, Energy Resources Consulting Pty Ltd, Brisbane. Specialising in gas adsorption isotherms of coal and coal petrography. Presently with 5 permanent and 8 casual staff.

ICCP Activities

- o 2000 - present ICCP editor and Council Member
- o Convenor of working groups on: Degradinite; Suberinite; Coal Gas
- o Participation in various ICCP WG round robins

Other Professional Activities

- o 2008 -2010 TSOP Councillor
- o 2008 - present Treasurer Coal Specialist Group Geological Society of Australia
- o Member: ICCP; TSOP; Geol. Soc. Aust.; Aust. Inst. Geoscientists
- o Reviewer on various international journals
- o Pro bono lecturing at various Tertiary education institutions in Brisbane
- o Adjunct Associate Professor in Geology, The University of Queensland

Some Recent Publications

- o Erskine, N., Smith, A.H.V and Crosdale, P.J. (2008). Provenance of Coals Recovered from the Wreck of HMAV Bounty. International Journal of Nautical Archaeology, 37 171 - 176.
- o Crosdale, P.J., Moore, T.A and Mares, T. (2008) The effect of moisture and temperature on adsorption isotherms of a low-rank coal: Implications for reservoir modeling.

- International Journal of Coal Geology, 76, 166-174.
- o Crosdale, P.J. and Cook, A.C. (2008) Discussion: An unusual non- fluorescing algal kerogen from the Canadian Arctic. International Journal of Coal Geology, 73, 388-390.
- o Scott, S., Anderson, B., Crosdale, P., Dingwall, J. and LeBlang, G. (2007) Coal petrology and coal seam gas contents of the Walloon Subgroup - Surat Basin, Queensland, Australia International Journal of Coal Geology, 70 209-222.?

The vice-Presidency of the ICCP - Dr Peter Crosdale

During my period on Council as ICCP Editor, the role of vice-President has evolved from one of simply supporting the President into an active role in which the VP is integral to the success of activities such as ICCP Short Courses. In the immediate future, the registration of ICCP will see a high degree of activity for the VP. Past VPs have been most active in the revision of the Statutes, which will be essential in the registration process. A full review of the statutes was undertaken by myself in 2001 and an extensive document presented to Council detailing inadequacies and inconsistencies. My detailed knowledge of not only the Statutes but also the working of ICCP will be of great value in moving the registration process forward.

Despite recent changes in activities of the VP, the primary role of VP remains one of supporting the President. What particular skills would I bring to this role? Thirteen years on Council means a close working knowledge of ICCP over recent years. My experience in academia, research organizations and running my own business gives me a wide perspective as to how these diverse types of bodies work - it is the role of ICCP to service all types of organizations.

Looking forward, the job for the next VP is one of supporting the tremendous changes happening within ICCP in a positive and constructive manner. Of the 3 major developments in recent times (accreditation, short courses and registration), the VP plays a most active role in 2 of them. Consider my recent history as an ICCP Councillor, my breadth of experience in research, academia and industry as well as my close understanding of how ICCP works and what ICCP stands for. I believe that I am well placed to move these key issues forward in a manner that will be most constructive to, and productive for, both ICCP Members and the

ICCP as a key scientific body.

Brief Curriculum Vitae and vision of the Vice Presidency of the ICCP - Dr. Mária Hámor-Vidó



Mária Hámor-Vidó has been member of ICCP since 1994. She received her PhD on organic petology of Lower Miocene meta-lignites from Hungary at the University of Miskolc, Faculty of Mining. She has worked for the Geological Institute of Hungary for 23 years as

organic petrographer, organic geochemist, senior geologist engineer. She was involved in integrated paleo-environmental reconstruction studies of coal formations, hydrocarbon prognosis, and environmental aspect studies of hydrocarbon fuel spill's natural attenuation, as well as in source rock studies, coal petrology, organic petrology and geochemistry projects. In 2006 she continued at the Eötvös Loránd Geophysical Institute of Hungary extending her activity to CBM potential and CO₂ sequestration in the Mecsek hills, geothermal energy potential evaluation based on thermal maturity rank, coal resources assessment and geological potential estimation for underground gasification projects. She worked on organic matter characterization and thermal maturity measurements of tight gas formations in the Makó trough, SE-Hungary in 2007-2008.

Currently she is working at the Geological and Geophysical Institute of Hungary (MFGI) which is the new name of the merged Eötvös Loránd Geophysical Institute and the Geological Institute of Hungary. She has been acting as deputy director from 2010.

She was involved in several intergovernmental co-operations with Germany, Ukraine and Austria with coal and hydrocarbon studies. She is a permanent technical expert at the European Commission Research Fund for Coal and Steel, a TAIEX lecturer, FP7 evaluator.

Maria has published 72 papers in peer-reviewed journals, 4 book chapters, and has given numerous presentations at national and international conferences and symposia.

In the ICCP she introduced the Coal Facies working group with Grzegorz Nowak in 1996. The WG run until 2004, the results were published in a

special volume of the International Journal of Coal Geology. The 56th Annual Meeting of ICCP was organised by Maria in 2004, Budapest. Between 2004-2007 she was the secretary of Commission II on Geological Application of Organic Petrology. Since 2005 she is the convenor of Dispersed Organic Matter in Sedimentary Rocks WG where with a group of members a guideline is under preparation for industrial users.

In case Maria Hamor-Vido is elected as a vice-president, she will continue her best to support the activities of ICCP as she has done in the past. She will encourage the young generation to study coal and organic petrology and to broaden their expertise to related disciplines as well. She is going to attract the younger generation by inviting senior scientists to share knowledge at short courses. She will also try to enhance the relations with organisations like TSOP, AAPG, and coal associations in order to ensure the prosperous future of ICCP.

Report from the Returning Officer-R. M. Schwab - on Elections for the position of Vice-President of ICCP

Details of votes

Candidate	Votes Received	As % of Valid votes
Dr. Peter Crosdale Australia	31	60
Dr. Mária Hámor-Vidó Hungary	21	40

Voting statistics

Category	Votes Received	As % of Valid votes
Eligible to vote*	91	100
Valid returns	52	57
Abstentions	1	1
Invalid returns	0	0

*Restricted to Full Members from the Electoral List provided by the Gen. Secretary 03.11.2013

Characterization of Geological Materials Resulting From Douro Coalfield Coal Mining and Consumption – Potential Environmental Impacts

Joana Paula Machado Ribeiro
Ph.D. Thesis

The thesis was awarded with the “Fundação Engenheiro António de Almeida Award” that distinguishes the best PhD thesis defended between 2010 and 2012 in the area of Physical Sciences in the Faculty of Science, University of Porto.

The PhD thesis was presented in an article-based format and included six research articles, published in peer reviewed scientific journals, and two book chapters from Elsevier (Ribeiro et al., 2010a, Ribeiro et al., 2010b; Ribeiro et al., 2011a Ribeiro et al., 2011b; Ribeiro et al., 2012; Ribeiro et al., 2013a; Ribeiro et al., 2013b; Ribeiro et al., accepted). The published results encompass a comprehensive characterization (mineralogical, petrological, physico-chemical, and geochemical) of coal (anthracite A), coal waste materials, and coal combustion by-products from the Douro Coalfield, and point out the environmental problems related

with these materials. The issues related with self-burning coal mining wastes were also addressed being reported and studied, for the first time, this kind of processes associated with anthracite A coal type.

The Douro Coalfield (NW of Portugal) is the most significant coal-bearing deposit in Portugal and was exploited for many years (1795-1994). The anthracite A coal was the most important fuel supply used for power generation in the Tapada do Outeiro thermal power plant, whose activity ended in 2004, located close to some mine sites.

Despite the importance of the Douro Coalfield mining, its exploitation and the coal consumption inevitably impacted the environment. The rejects and overburdened material that resulted from the exploitation of the Douro Coalfield constitute, at least, twenty-eight waste piles representing

significant environmental impacts associated with the mining activities in the area. Three of these waste piles are/were burning after intense forest fires in the area (summer 2005), adding further concerns to the environment. In addition, the fly ash landfills that resulted from coal combustion in the Tapada do Outeiro thermal power plant also represent an environmental problem.



The main objective of the thesis was to characterize the materials resulting from coal mining in the Douro Coalfield and consumption in the Tapada do Outeiro thermal power plant (TPP), to contribute for the potential environmental impact assessment associated with the disposal of the mining wastes in coal waste piles and fly ash in landfill.

The methodologies applied for the petrographic, mineralogical and geochemical analyses in this study were: optical microscopy; scanning electron microscopy with energy dispersive X-ray spectrometry (SEM-EDX); X-ray powder diffraction (XRD); Fourier transform infrared spectroscopy (FTIR); magnetic susceptibility; isothermal remanent magnetization (IRM); proximate analysis; carbon content determination by a LECO analyzer; physico-chemical measurements (pH, Eh and electric conductivity); X-ray fluorescence spectrometry (XRF); inductively coupled plasma mass spectrometry (ICP-MS); and, gas chromatography coupled with mass spectrometry (GC-MS).

The petrographic observations of waste material show that organic and inorganic matter is affected by weathering and self-burning processes. In addition, the waste material thermally affected in the burning coal waste piles shows strong petrographic changes in organic and inorganic matter, such as, development of dark reaction rims, cracks, and volatilization vacuoles, formation of pyrolytic carbon, char particles, and iron oxides,

among others. The petrographic aspects and the mineralogical phases identified in the burning or burnt waste material (mullite, cristobalite and hematite) demonstrate that combustion temperature reached, at least, 1000 °C, and may have reached temperatures of 1500 °C or even more. The magnetic parameters demonstrated a magnetic enhancement attributed to the burning process.

Geochemical characterization of the waste material reveals that the trace elements with inorganic affinity are, generally, Ba, Cr, Ga, Hf, Ni, Rb, Sc, V, and Zr and the elements with intermediate affinity are S, As, Bi, Pb, U, and W. A sulfide fraction is represented by the association of As, Cd, Cu, Pb, Ni, and Zn, while the association of Fe with Al, Co, and Ti indicates that some of the Fe and these other elements are likely to be related with silicate minerals such as clays. The association of Cr, V, Zr, Rb, REE, Mn, Li, and Ba, probably represents a silicate fraction, perhaps detrital accessory minerals.

The leachates from waste material present highest concentrations of Ba, Co, Cu, Mn, Ni, and Zn, indicating that these elements are associated with H₂O-soluble compounds under the acid pH conditions. The higher elements concentration in leachates from burning waste material and the depletion of low molecular weight PAHs concentrations and greater abundance of high molecular weight PAHs from the unburned coal waste material to the burning/burnt material are attributed to the burning process which may have induced geochemical changes.

Comparison of the results obtained in leaching tests with the waste acceptance criteria for landfilling indicates that the coal waste material is classified as non-hazardous wastes.

The combustion process in the burning coal waste piles give rise to atmospheric emission of high concentrations of volatile organic compounds and to the formation of sulphur and salammoniac, which results from the exhalation and condensation of gas by interaction with surface water, atmospheric gases and surrounding rocks.

Results also demonstrate that fly ash is mainly constituted of aluminium-silicate glass together with significant proportions of char structures, and minor amounts of iron-rich particles and other crystalline phases, such as mullite, quartz and maghemite. Element concentrations in fly ash and in leachates indicate a possible mobilization of the material into the landfills where the studied fly ashes are stored for many years at the atmospheric

conditions. The very acidic pH determined in the leachates of fly ash is attributed to the low content of CaO and the co-firing with fuel oil, which may increase the mobilization of the material in the landfills. The combustion process in the thermal power plant caused the volatilization of low molecular weight PAHs and the production of high molecular weight PAHs in the solid phase.



Potential environmental impacts associated with the coal waste and fly ash disposal comprise: air pollution caused by particles dispersion, including ferrimagnetic iron oxide particles, particles dispersion with adsorbed PAHs and toxic elements, and emission of volatile organic compounds from burning coal waste piles; soils, surface and groundwater pollution caused by mobilization of solid particles, leaching of hazardous elements, dissolution of neoformed minerals, and deposition of atmospheric particles; landslides and mass movements caused by the weathering agents and the burning process in the coal waste piles; and deterioration of vegetation caused by acid drainage and burning process.

Depending on the extent of the environmental impacts described above, these may have varied and deleterious effects on human health and biodiversity. The effects on human health may be directly caused by the gaseous emissions in the burning coal waste piles and particles dispersion of the waste materials. The soils and waters pollution may affect the local biodiversity and also human health through water consumption and land use for agriculture.

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Part II - Chapter 1.1

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Part II - Chapter 1.2

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Part IV – Atlas

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First Circular



**66th ANNUAL MEETING AND SYMPOSIUM
OF
THE INTERNATIONAL COMMITTEE
FOR
COAL & ORGANIC PETROLOGY
(ICCP-2014)**

September 20 - 27, 2014

Science City, Kolkata, India



Organized by:



**CSIR-CENTRAL INSTITUTE OF MINING & FUEL RESEARCH
COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH,
Ministry of Science & Technology, Government of India
Barwa Road, Dhanbad-826015, India**

www.iccp2014india.org



INTERNATIONAL COMMITTEE FOR COAL & ORGANIC PETROLOGY (ICCP)

International Committee for Coal and Organic Petrology (ICCP) is the main body on basic research on petrographic entities of coal and organic matters. For more than 65 years it has been organizing different activities on basic research on coal petrography involving the talented petrographers from across the globe. One of the main activities of the ICCP is the constitution of different commissions/working groups on various themes/topical issues on basic and applied aspects of coal petrography. The expert members of the Working Groups through rigorous exercises of round robin test evolve the standardized procedures on various themes, which on finalization in its General Body/Council meetings is recommended to different standardization bodies like ISO, ASTM, AS, IS, etc. It arranges Accreditation Programmes to create a pool of accredited coal petrographers and provides trainings on basic and applied aspects of coal petrography at different venues. It also arranges geological field trips on fossil fuel exploration / environmental aspects.



HOST ORGANIZATION: CSIR-CENTRAL INSTITUTE OF MINING & FUEL RESEARCH, DHANBAD

The current meeting and symposium (ICCP-2014) is being organized by CSIR-Central Institute of Mining & Fuel Research (CIMFR), a premier Research Institute of India providing basic research, R&D back up, advisory services and help in technology upgradation & adoption to coal and mineral based industries to reach the targeted production with high standards of safety, economy and cleaner environment. CIMFR is a constituent laboratory of the Council of Scientific and Industrial Research (CSIR), which is an autonomous body of the Government of India. An ensemble of 37 state-of-the art institutes, CSIR, today is amongst the foremost public funded scientific and industrial research organizations in the world.

Field Trip

Field Trip to Sunderban, 02 Days/01 Night is being specially organized for 66th Annual Meeting of ICCP participants. As a bonus some sightseeing is being offered at Kolkata and suburbs areas. To book Field Trip and other sightseeing, please email: iccp2014tours@kwconferences.com.

About the Meeting & Symposium

The 66th Annual Meeting of ICCP is scheduled to be held at Science City, Kolkata during September 20-24, 2014.

One day symposium will be arranged on September 25, 2014.

Theme

The theme of this symposium is “*Application of Organic Petrography for Power & Steel Industries-our preparedness for facing the challenges in coming decades*”. The symposium will focus on topical issues on coal usage for Steel & Power industries with exposures on new and emerging techniques on coal sciences.

ICCP is organizing four days short course on Coal Petrology:

8th ICCP Training Course on Coal Petrology on the topic “**Organic petrology for industrial applications**” at Kolkata during 16-19 September 2014.

Contact Person: Dr. Angeles Borrego, General Secretary, ICCP, Spain

The Lecturers/Instructors: Dr. Walter Pickel, Australia & Dr. Isabel Suárez-Ruiz, Spain

Details are available on: www.iccop.org



Welcome Message



Distinguished Guests, Ladies and Gentlemen,

It is our proud privilege to invite all members of the coal, mining, steel, energy and other related industries to attend the **66th ANNUAL MEETING AND SYMPOSIUM OF THE INTERNATIONAL COMMITTEE FOR COAL & ORGANIC PETROLOGY (ICCP-2014)**, in Kolkata, India during September 20 -27, 2014. This is the first time that this meeting will be held in India.

The venue of the meeting and symposium is Science City, Kolkata, a historical city. The adjoining geographic areas of Kolkata are rich in coal deposits and mining activity is extensively carried out in this region and caters to the need of coal for neighbouring and far off located power and steel plants of India.

The scientific programme has been designed on the theme “Application of Organic Petrography for Power & Steel industries-our preparedness for facing the challenges in coming decades”. The symposium will focus on topical issues on coal usage for Steel & Power industries with exposures on new and emerging techniques.

Apart from a content-rich programme, you will have the opportunity to undertake a two day field trip being proposed during September 26 -27, 2014 to a nearby place of interest. Delegates will also have ample opportunity to network with contemporaries. First time visitors to this part of the country can also take this opportunity to visit many heritage monuments.

The organizing committee has spared no effort to ensure that **ICCP-2014** be a memorable event, characterized by warmth and hospitality.

We extend warm welcome to one and all and look forward to welcome you in **ICCP-2014** at Kolkata.

Dr. Ashok K. Singh

Organizing Secretary and Convener
ICCP-2014

Dr. Amalendu Sinha

Chairman, Organizing Committee
ICCP-2014

Call For Papers

Abstracts are invited on the symposium theme “**Application of Organic Petrography for Power & Steel Industries-our preparedness for facing the challenges in coming decades**”. To be considered for presentation at the Conference, abstracts must be submitted by **15 July 2014** and should strictly follow the guidelines below.

Conference Language

The official language of the Conference is English. Abstracts must be written in English using the submission format on the Conference website.

Submission of Abstracts

Abstracts must be submitted electronically through email to Email: singh_ak2002@yahoo.co.in, iccp_india14@yahoo.com

Format of Abstract

- The abstract should not exceed maximum of two pages including title, diagrams, charts, footnotes and Information about affiliation of the authors and contact details of the corresponding author. The purpose of the study, principal results and major conclusions must be highlighted in the abstract. It should reflect salient new findings.
- The abstract should be written in MS Word 2007 with default margins.
- The title of the abstract should be written using the format (Times New Roman, Bold, and 14 Point).
- The body of the abstract should be written using the format (Times New Roman, 12 Point, Spacing 1, 1.5).
- The name of the authors and affiliations should be written using the format (Times New Roman, 10 Point).

Publication

Efforts will be made to publish selected papers in a special volume of International Journal of Coal Geology, Elsevier. All abstract submission will be through email only. The details on abstract submission system are available on the website www.iccp2014india.org.

An authorization letter to publish the paper and declaration of non-violation of copyright with respect to the contents of the paper should be sent as a second attachment.

Important Dates

Abstract submission deadline	July 15, 2014
Abstract acceptance notification	August 15, 2014
Pre-registration for Symposium	July 31, 2014
Finalization of Programme for oral/poster presentation	August 15, 2014
Deadline for submission of full paper for publication in International Journal of Coal Geology	December 31, 2014

Sponsorship

66th ICPP 2014 will provide you with an ideal opportunity to project and show case your organisation to the decision makers and delegates of key public and private sector and overseas end users.

The Organising Committee has designed packages as given below for various sponsorship categories and all sponsors will be given recognition during the build up and event dates.

Category	Indigenous Firms	Overseas Firms
Platinum sponsor	INR 1000000	USD 15000
Gold Sponsor	INR 700000	USD 11000
Silver Sponsor	INR 500000	USD 7500
Supporting Organization	INR 200000	USD 3000
Exhibitor	INR 150000	USD 2200

To discuss sponsorship and exhibition opportunities, please contact **Dr. Ashok K. Singh** Organizing Secretary, ICCP-2014 India, Mob.: +91 9431317806 or by Fax: +91 326 2388361, 2381113, or by Email: singh_ak2002@yahoo.co.in, iccp_india14@yahoo.com

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Mr. Prakash Bediya, CIMFR, Dhanbad

Registration Information

Save on the Registration Fees by registering before July 31, 2014 !

It is recommended that registrations are made online at www.iccp2014india.org If you need assistance with your online registration, please contact ICPP 2014 secretariat at iccp2014india@kwconferences.com.

Registration Fee

International Delegates Registration Fee (USD)

66th ICCP Meeting + International Symposium	Up to July 31, 2014	After July 31, 2014
Members	<input type="checkbox"/> USD 300	<input type="checkbox"/> USD 325
Non-Members	<input type="checkbox"/> USD 325	<input type="checkbox"/> USD 350
Student/Research Scholar/Research fellows	<input type="checkbox"/> USD 100	<input type="checkbox"/> USD 125
International Symposium on Coal Petrography		
ICCP Registered Delegates + Students	Nil	Nil
Delegates	<input type="checkbox"/> USD 100	<input type="checkbox"/> USD 125
Student/Research Scholar/Research fellows	<input type="checkbox"/> USD 75	<input type="checkbox"/> USD 100
Field Trip to Sunderban		
Delegates	<input type="checkbox"/> USD 180	
Spouse	<input type="checkbox"/> USD 107	

Indian Delegates Registration Fee (INR)

66th ICCP Meeting + International Symposium	Up to July 31, 2014	After July 31, 2014
Members	<input type="checkbox"/> INR 12000	<input type="checkbox"/> INR 13500
Non-Members	<input type="checkbox"/> INR 15000	<input type="checkbox"/> INR 16500
Student/Research Scholar/Research fellows	<input type="checkbox"/> INR 6000	<input type="checkbox"/> INR 7500
International Symposium on Coal Petrography		
ICCP Registered Delegates + Students	Nil	Nil
Non-ICCP Registered delegates	<input type="checkbox"/> INR 5000	<input type="checkbox"/> INR 6500
Student/Research Scholar/Research fellows	<input type="checkbox"/> INR 3000	<input type="checkbox"/> INR 4500
Field Trip to Sunderban		
Delegates	<input type="checkbox"/> INR 11000	
Spouse	<input type="checkbox"/> INR 6500	

Notes:

1. For Conversion, **1 USD= INR 61.**
2. Indian delegates are requested to convert applicable USD fee to INR for payment for **Field Trip** (September 26 -27, 2014).
3. Fee paid by Delegates for Field trip includes transportation, meals and one night accommodation.
4. Spouse can register and travel for Field trip only with their registered delegate. Fee paid by Spouse for Field trip includes transportation, meals and one night accommodation on double occupancy sharing basis with their registered delegate.
5. Student/Research Scholar/Research fellows to submit a certificate from respective Head/Chief of their department/institute.

Cancellation and Refund Policy: Cancellations received in writing by the conference secretariat to: iccp2014india@kwconferences.com will be refunded after the conference at the following rates. Date of receipt of communication for cancellation will be used for calculating amount of refund. Refunds will be credited only to the account from where registration amount was received.

1. **On or before 15 July 2014:** - Full refund minus 15% cancellation / admin fee
2. **16th July 2014 – 10th September 2014:** - Full refund minus 25% cancellation fee
3. **After 10th September 2014:-** We regret no refund can be made although name substitutions can be made at any time

Souvenir

A Souvenir will also be released on this occasion and it will contain messages from eminent personalities, advertisements, contact information of the firms participating and other vital information on the subject of the meeting and symposium, and will be sent to individuals, organizations, senior executives and policy maker bodies. We urge you to take advantage of this opportunity to market your products and services by releasing an advertisement in the souvenir.

The specifications and tariffs are as below

ADVERTISEMENT [Souvenir size: A4 Colour: 4-colour Format: Corel Draw, EPS, or High res PDF]		
Indigenous Firms In INR		Overseas Firms In USD
Back Cover	INR 150000	USD 2500
Inside Front Cover	INR 125000	USD 2000
Inside Back Cover	INR 125000	USD 2000
Full page	INR 100000	USD 1600
Half page	INR 50000	USD 800

Please book your advertisement by sending the material by **July 31, 2014** along with your payment (DD/Pay Order) in favour of "KW Conferences Pvt Ltd". KW Conferences Pvt Ltd is the Professional Conference Organiser for 66th ICCP 2014.

PAYMENT OPTIONS:

A. Demand Draft/Pay Order in favour of KW Conferences Pvt Ltd to be sent by courier/post to the Secretariat at the address given below

B. **Wire Transfer as per the details below**

Bank Name : Axis Bank Ltd
Bank Address : B - 81, Defence Colony New Delhi - 110024, India
Account Name : KW CONFERENCES PVT. LTD.
Account No : 357010300000347
IFSC Code : UTIB0000357
Swift Code : AXISINBB357

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ICCP 2014 Secretariat

A 56/12, DLF Phase I
Gurgaon 122 002, Haryana, India
Tel: +91-124-463 6700
Fax: +91-124-410 2075
Email: iccp2014india@kwconferences.com

Venue: Science City

Science City, the largest science centre in the sub-continent, under the National Council of Science Museums (the apex body of science museums/centres in India), consists of two facilities, the Science Centre and the Convention Centre. The Science Centre complex comprises Space Odyssey, Dynamotion, Evolution Theme Park, Maritime Centre and a Science Park. The Space Odyssey houses India's first Large Format Film Theatre, Time Machine, 3-D Vision Theatre, Mirror Magic and exhibits on space science, motion, electricity and virtual reality.

The Convention Centre complex comprises the Grand Theatre (2232 seating capacity), one Mini Auditorium (392 seating capacity) and a Seminar hall building with 11 halls ranging from 15 to 100 seating capacity, indoor (270sq.m.) and open air exhibition ground (20000 sq. m). The auditoria and the seminar halls are fully air-conditioned. The Convention Centre of Science City is the most sought after destination for conventions, meetings, company AGMs and cultural programmes.

Location:

Science City, J. B. S. Haldane Avenue, Kolkata 700046, India

Phone: +91 33 22854343, 22851572, 22852607



Hotel Accommodation

On behalf of the ICCP local organising committee, KW Conferences, the professional conference organizer, is holding rooms at specially negotiated discounted rates at the following official hotels. For delegates who have booked through KW Conferences, the rates are inclusive of buffet breakfast, and all currently applicable taxes.

To book a hotel, please email: iccp2014hotels@kwconferences.com.



Hotel	Tariff - Single (INR)	Tariff - Double (INR)	Travel Time to Venue	Distance to Airport
ITC Sonar - 5*	7100	8650	5 Mins	16 km
Hyatt Regency - 5*	6990	7510	15 Mins	11 km
The Stadel - 3*	3150	3830	15 Mins	10 km
The Pearl - 3*	3850	4630	15 Mins	8 km

For budget and guest accommodation, please email: iccp2014hotels@kwconferences.com.

Payment & Cancellation Terms

Reservations of hotel rooms must be accompanied by the total amount of all nights booked.

Cancellation for Hotel Accommodation:

- Before August 15, 2014, total amount will be refunded less bank charges, and applicable taxes
- After August 15, 2014, no refunds will be made
- Please note that in case of late check in, early departure or no-show, no refunds will be made
- All requests for changes and cancellations must be made to the Congress Secretariat (KW Conferences) in writing and not to the hotel
- All bookings will be processed on a first-come-first-served basis

Field Trip

Sunderban Tour – 01 Night/ 02 Days

Sundarbans Delta, one of the World's Cultural Heritage sites, situated along Hooghly River Estuary in West Bengal to the Meghna River Estuary in Bangladesh area, is also one of the Recent Peat Formation sites in India. This is the world's biggest delta created by the running rivers of Ganga, Brahmaputra and Meghna. The Sundarbans national park is a huge territory of woodland and saltwater fen at about 160 miles beside the Bay of Bengal. It is also famous for Sundarbans tigers & major estuarine sanctuary in the earth, and home of India's most wonderful flora and fauna species. This will be great attraction with the panoramic beauty of tiger and other wildlife animals.

City	Name of the Hotel	Room Category	Nights
Sunderban	Sunderban Camp	Deluxe Cottage	01
Validity: January 2015		Tour Cost in INR	
Delegates		INR 11000 Per Person	
Spouse		INR 6500 Per Person	



To book the Tour, please email: iccp2014tours@kwconferences.com

Other conducted Tours (Pre & Post)

Kolkata – Mandarmoni – Tajpur Tour (2 night & 3 days)

City	Name of the Hotel	Room Category	Nights
Mandarmoni	Hotel Rose Valley	AC Deluxe Room	01
Tajpura	Tajpura Retreat	AC Standard Room	01

Validity : January 2015	Tour Cost in INR
01 Paying Pax Traveling alone	INR 21919
02 Paying pax traveling together on Twin sharing basis	INR 11862 Per Person



Please Note: Adventure Activity (Para-gliding, rafting, rock-climbing etc.) **Rs.1800/- per person**

Golden Triangle Tour (03 night & 04 days)

“Golden Triangle Tour is the most popular tourist circuit in India. This incredible Golden Triangle Tour Itinerary comprising the three famous cities of India-Delhi, Agra and Jaipur having grandeur, glory & history. The Golden Triangle is so called because of the triangular shape formed by the locations of New Delhi, Agra and Rajasthan on a map, but is occasionally expanded to include the wider geographical area of North India, most frequented by tourists.

Cost Basis	Tour Cost in INR
01 Paying Pax Traveling alone	INR 58550
02 Paying pax traveling together on Twin sharing basis	INR 40650 Per Person



Excursion tour to Bishnupur - The Terracotta Paradise

Kolkata – Bishnupur – Kolkata [160 kms / 4 ½ - 5 hours one way]

Bishnupur is noted for its assemblage of large number of temples of considerable grandeur and big tanks. Bishnupur still retains the flavor of an old Bengali urban complex which had witnessed great splendor and magnificence in the days of its power and glory. Bishnupur is famous for its own classical musical gharana established in 1370.

Cost Basis	Tour cost per person
Minimum 10 Pax using A/c Tempo Traveller	INR 5625



Excursion tour to Shantiniketan

Shanti Niketan means the abode of peace. In 1863, a meditation center was founded at Shanti Niketan by Maharishi Debendranath Tagore, the father of the world famous Bengali Poet Rabindranath Tagore. Rabindranath established the Brahma Vidyalaya and in 1901 another open air school “Brahmacharya Ashram”. In 1921, it had expanded into Vishwa Bharati University – a residential university with an international body, hostels and extensive grounds. It includes separate colleges for fine arts and crafts, dance, music, teachers’ training, Asian languages, technology, postgraduate studies and research.

Tour Cost in INR (Indian Rupee)

Cost Basis	Tour cost per person
Minimum 10 Pax using A/c Tempo Traveller	INR 6135



Local Sightseeing – Full Day

Visit to Dalhousie Square (GPO, Writer's Building, High Court, and Governor's House etc.) St. John's Church, Flower Market, a short walk on the Howrah Bridge, Jain Temples, Kumartuli (Potter's Colony cum Statuary), Indian Museum (closed on Monday), Victoria Memorial (closed on Monday) and St. Paul's Cathedral Church.

Duration: 9.00 am to 5.00 pm, **Schedule:** Open all days of the week except Monday Indian Museum and Victoria Memorial are closed.

Tour Cost in INR (Indian Rupee)

Cost Basis	Tour cost per person
Minimum 10 Pax using A/c Tempo Traveller	INR 2560



Local Sightseeing – Half Day

Tour Fast Facts: Visit to Dalhousie Square (mainly drive around), St. Paul's Cathedral Church, Victoria Memorial and South Park Street Cemetery.

Duration: 9.00 am to 1.00 pm, **Schedule:** Open all days of the week except Monday Victoria Memorial is closed.

Tour Cost in INR (Indian Rupee)

Cost Basis	Tour cost per person
Minimum 10 Pax using A/c Tempo Traveller	INR 1540

General Information

Access/Security:

Name badges will be provided to Delegates and Accompanying Persons during registration and will be required for admission to all sessions, the exhibition and social events.

Airport:

Netaji Subhas Chandra Bose International Airport in Kolkata serves the greater Kolkata metropolitan area. It is located approximately 17 km from the city centre. Spread over an area of 1670 acres, Kolkata airport is the largest in eastern India and one of the two international airports operating in West Bengal. It is the fifth busiest airport of India in terms of passenger traffic and is a major center for flights to North-East India, Bangladesh and South-East Asia.

Banks:

Normal commercial banking hours are from 10:00 to 16:00 hrs from Monday to Friday and 14:00 hrs on Saturdays. Banks are closed on Sundays and on public holidays.

Climate:

Kolkata in the month of September is characterized by monsoon period and temperature ranges between 20 and 35 °C over the course of the month. Daily low temperatures range from 17 °C to 25 °C. Occasional rains may be there.

Dress Code:

Smart Casuals are recommended for all seminar sessions and social events.

Insurance & Liability:

Neither the Organizers nor the Secretariat will assume any responsibility for damage or injury to persons or property during the seminar and exhibition. Participants are strongly advised to seek insurance for health, accident and personal liability.

Passport and Visa Requirements:

All foreign visitors, except nationals of Bhutan and Nepal, need a visa for India. You are advised to contact the Indian Embassy/High Commission/Consulate in your country in order to obtain a visa of entry. Please apply for your visa in good time. It could take you months to get your visa. Foreign visitors entering India must have a passport valid for at least 6 months after their date of entry in India, except in the case of nationals of Bhutan and Nepal who need only carry suitable means of identification.

Time:

Kolkata will be approx. four and half hrs ahead of GMT during the dates of the seminar.

Website:

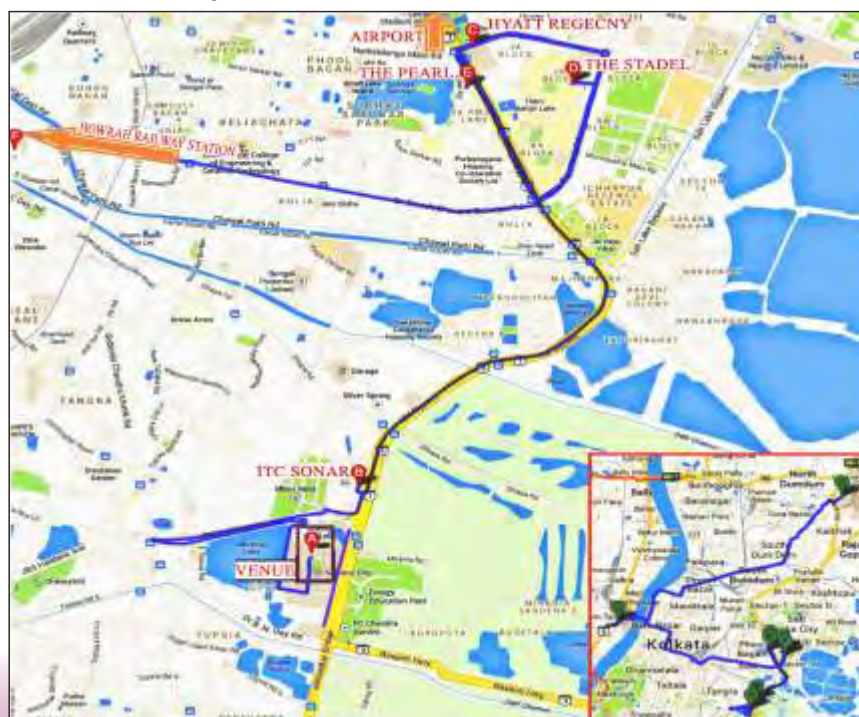
For detailed and updated information, please visit the website www.iccp2014india.org periodically.

Scientific Programme

	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	20.09.14	21.09.14	22.09.14	23.09.14	24.09.14	25.09.14	26.09.14	27.09.14
8.30-9.00		ICCP Registration						
9.00-9.30								
9.30-10.00		ICCP Welcome	ICCP Commission Meeting	ICCP Commission Meeting	ICCP Commission Meeting	ICCP Symposium		
10.00-10.30								
10.30-11.00		Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break		
11.00-11.30								
11.30-12.00		ICCP General Assembly	ICCP Commission Meeting	ICCP Commission Meeting	ICCP Commission Meeting	ICCP Symposium		
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 Commission Meeting	ICCP Commission Meeting	ICCP Commission Meeting	ICCP Commission Meeting	ICCP Symposium		
14.00-14.30								
14.30-15.00								
15.00-15.30		Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break		
15.30-16.00								
16.00-16.30		ICCP Commission Meeting	ICCP Commission Meeting	ICCP Commission Meeting	Closing Plenary Session	ICCP Symposium		
16.30-17.00								
17.00-17.30								
17.30-18.00								
18.00-18.30								
18.30-19.00								
19.00-19.30								
19.30-20.00								
20.00-20.30								
20.30-21.00								
21.00-21.30								
21.30-22.00								

(Note: 1. Dinner/lunch planned to be sponsored; 2. Dinners on other dates will be confirmed depending on sponsorship 3. * Field trip may be one or two days based on feedback from delegates/ICCP. Field trip & venue may also be re-planned based on number of participants till 15 August 2014.

Direction Map



INDEX

- A: SCIENCE CITY
- B: ITC SONAR
- C: HYATT REGENCY
- D: THE STADEL
- E: THE PEARL
- F: HOWRAH RAILWAY STATION



Contact Details

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Fax: +91 326 2296025
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Principal Scientist & Head
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Email: singh_ak2002@yahoo.co.in, iccp_india14@yahoo.com
Website: www.iccp2014india.org

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Email: iccp2014india@kwconferences.com



66TH ANNUAL MEETING AND SYMPOSIUM OF INTERNATIONAL COMMITTEE FOR COAL AND ORGANIC PETROLOGY (ICCP-2014)



September 20 - 27, 2014

Science City, Kolkata, India

REGISTRATION FORM

☐ Mr. ☐ Ms. ☐ Prof. ☐ Dr.

First Name _____ Family Name _____

Institution _____

Address _____

Postal Code _____ City/ Country _____

Phone _____ Fax _____ E-mail _____

Accompanying Person Name (Spouse) _____

International Delegates Registration Fee (USD)

66th ICCP Meeting + International Symposium	Up to July 31, 2014	After July 31, 2014
Members	<input type="checkbox"/> USD 300	<input type="checkbox"/> USD 325
Non-Members	<input type="checkbox"/> USD 325	<input type="checkbox"/> USD 350
Student/Research Scholar/Research fellows	<input type="checkbox"/> USD 100	<input type="checkbox"/> USD 125
International Symposium on Coal Petrography		
ICCP Registered Delegates + Students	Nil	Nil
Delegates	<input type="checkbox"/> USD 100	<input type="checkbox"/> USD 125
Student/Research Scholar/Research fellows	<input type="checkbox"/> USD 75	<input type="checkbox"/> USD 100
Field Trip to Sunderban		
Delegates	<input type="checkbox"/> USD 180	
Spouse	<input type="checkbox"/> USD 107	

Indian Delegates Registration Fee (INR)

66th ICCP Meeting + International Symposium	Up to July 31, 2014	After July 31, 2014
Members	<input type="checkbox"/> INR 12000	<input type="checkbox"/> INR 13500
Non-Members	<input type="checkbox"/> INR 15000	<input type="checkbox"/> INR 16500
Student/Research Scholar/Research fellows	<input type="checkbox"/> INR 6000	<input type="checkbox"/> INR 7500
International Symposium on Coal Petrography		
ICCP Registered Delegates + Students	Nil	Nil
Non-ICCP Registered delegates	<input type="checkbox"/> INR 5000	<input type="checkbox"/> INR 6500
Student/Research Scholar/Research fellows	<input type="checkbox"/> INR 3000	<input type="checkbox"/> INR 4500
Field Trip to Sunderban		
Delegates	<input type="checkbox"/> INR 11000	
Spouse	<input type="checkbox"/> INR 6500	

Cancellation and Refund Policy: Cancellations received in writing by the conference secretariat to: iccp2014india@kwconferences.com will be refunded after the conference at the following rates. Date of receipt of communication for cancellation will be used for calculating amount of refund. Refunds will be credited only to the account from where registration amount was received.

- **On or before 15 July 2014:** - Full refund minus 15% cancellation / admin fee
- **16th July 2014 – 10th September 2014:** - Full refund minus 25% cancellation fee
- **After 10th September 2014:** - We regret no refund can be made although name substitutions can be made at any time

Accommodation

Hotel	Single (per night)	Double (per night)
ITC Sonar	<input type="checkbox"/> INR 7,100	<input type="checkbox"/> INR 8,650
Hyatt Regency	<input type="checkbox"/> INR 6,990	<input type="checkbox"/> INR 7,510
The Stadel	<input type="checkbox"/> INR 3,150	<input type="checkbox"/> INR 3,830
The Pearl	<input type="checkbox"/> INR 3,850	<input type="checkbox"/> INR 4,630

Check In Date Check-Out Date

Hotel Payment: Rate..... x No of Nights x No of Rooms Total:

Payment & Cancellation Terms

- Reservations of hotel rooms must be accompanied by the total amount of all nights booked
- Cancellation received before August 15, 2014, total amount will be refunded less bank charges, and applicable taxes
- Cancellation received after August 15, 2014, no refunds will be made
- Please note that in case of late check in, early departure or no-show, no refunds will be made
- All requests for changes and cancellations must be made to the Congress Secretariat (KW Conferences) in writing and not to the hotel
- All bookings will be processed on a first-come-first-served basis

Tours

Tour Name	Cost (per person)	Cost (per person on twin sharing)
Sunderban Tour	<input type="checkbox"/> INR 11,000	<input type="checkbox"/> INR 6,500
Kolkata – Mandarmoni – Tajpur Tour	<input type="checkbox"/> INR 21,919	<input type="checkbox"/> INR 11,862
Golden Triangle	<input type="checkbox"/> INR 58,550	<input type="checkbox"/> INR 40,650
Bishnupur - The Terracotta Paradise	<input type="checkbox"/> INR 5,625	
Excursion tour to Shantiniketan	<input type="checkbox"/> INR 6,135	
Local Sightseeing – Full Day	<input type="checkbox"/> INR 2,560	
Local Sightseeing – Half Day	<input type="checkbox"/> INR 1,540	

Note: Cost per person is based on minimum 10 pax. For cancellation terms & conditions, please visit: www.iccp2014india.org

Payment Options

- ☐ **Credit Card** : To Pay online, visit the website at www.iccp2014india.org
- ☐ **Bank Wire Transfer**: Contact: iccp2014india@kwconferences.com
- ☐ **Bank / Demand Draft (for Indian Delegates Only)**: Please make your Bank / Demand Draft in favor of “**KW Conferences Pvt. Ltd.**”, Payable at New Delhi and send it to us either by post/courier to the address given below:

Cheque /DD No: _____ Drawn on: _____ Date: _____

Amount: _____

Delegate Signature: _____



Organised by:

CSIR-Central Institute of Mining & Fuel Research
Barwa Road, Dhanbad 826015, Jharkhand, India
Tel. (Office) +91 9431317806 (cell), +91 326 2388361
Fax +91 326 2388361, 2381113,
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iccp_india14@yahoo.com
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Please return this form to:
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ICCP

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News

No 28 March 2003

COKE



Reference

Kerogen

MACERAL



Char



Focus on India

Traditional methods of transporting coal



Two forms of fuel - coke making and drying cow pats



The Taj Mahal



The 30 m thick Kagali Seam in the East Bokaro Coalfield

All photos Peter Crosdale

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23 images of 54th meeting

Membership Matters

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

Contact Updates

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Welcome to ICCP

Dr Judy **Bailey** (F 2,3)
School of Environmental and Life Sciences
Faculty of Science and Information Technology
The University of Newcastle
University Drive
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Australia
Ph. +61-2-4921 5415
Fax. +61-2-4921 6925
mailto:judy.bailey@newcastle.edu.au



Judy was a long standing member of ICCP and has previously been Chair and Secretary of Commission III. She was most involved in coal combustion. Included in her previous activities was the development of a detailed and highly regarded char classification system.

Judy's current interests include issues related to CO₂ sequestration. It is with great pleasure that we welcome Judy back to the ICCP.

Mr Humberto **Carvajal** (A 2)
Core Laboratories
6316 Windfern Road,
Houston
TX 77040
USA
Ph. +1-713-328-2577
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Humberto is a native of Colombia and holds a BS degree in Geology and MS and PhD degrees from the Iowa State University and Indiana University in the USA, respectively. He joined Core Laboratories in Houston in January 2013, where he is a Senior Geologist and in charge of

the organic geochemistry laboratory. He played an important role in establishing the Rock-Eval pyrolysis and Leco TOC analytical laboratory and in developing the protocols and procedures for those analyses. He is involved in the characterization of unconventional (shale gas/shale oil) and conventional reservoirs ones as well as coals.

Ms Paula Alexandra **Gonçalves** (A 1,2)
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mailto:paula.goncalves@fc.up.pt



Paula has been involved in organic petrography for over 4 years, and has demonstrated significant insight into the field. Paula is doing her PhD on palynofacies, organic petrology and geochemistry of Jurassic source-rocks from the Lusitanian Basin (Portugal). Paula attended Porto and Beijing ICCP Meetings. At present, she is participating and contributing for the Palynofacies, Thermal Indices and Identification of

Primary Vitrinite WG activities.

mailto:leokadia.rog@gig.eu

Dr. Yulin Li (A 3)
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Dr. Li has over 25 years of consulting and technical management experience in coal, oil and gas industry. Before immigrating to Canada, he was Chairman of the Coal Geology Division of the China Geology and Coal Societies. He was awarded as top ten geologist/engineer of China Coal Industry in 2000.

He has about 15 years of experience in coal exploration, coal mining groundwater control and CBM exploration in China. Recent Norwest consulting achievements include completing numerous CBM assessment and exploration projects in WCSB Canada, US, Italy and China; Shale gas exploration, heavy oil and tight sandstone oil and gas exploration management in several properties for foreign investors in China; Oil sands, coal and conventional oil and gas exploration and property assessment in Canada. He is specialized in coal quality assessment and has extensive experience of wellsite geological services, core logging, oil grade estimation and regional study in oil sands exploration and planning. Project management experiences of planning, drilling and reporting for resources exploration including coal, CBM, shale gas, oil sands, heavy oil and natural gas.

Dr Leokadia **Rog** (A1, 2, 3)
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Department of Solid Fuels Quality Assessment,
PLAC
Gwarkow 1
40-166 Katowice
Poland
Ph. + 48 32 259 22 76
Fax. + 48 32 259 22 78



Leokadia Rog is a graduate of the Earth Sciences Faculty at the Silesian University, Division of Geology. She defended her PhD at Wrocław University of Technology in the subject of chemical technology. She has been working for GIG since 1984, at first as Applied Petrographic Laboratory Worker at the Department of Mining Geology, in the years of

1991-2000 as deputy manager at the Laboratory of Assessment and Prediction of Coal Quality and since 2000 as the Head of the Department of Solid Fuels Quality Assessment. During her work she accomplished many trainings and courses: management systems according to ISO standards, human resources and process management, adjusting Polish standards to EU requirements, measuring methods used during fuel quality assessment. Her most important scientific experience is connected with cooperation with solid fuel producers and users, in broad sense including now fashionable biofuels and recovered solid fuels. One of the main targets is determining the influence of fuel quality on technological processes with optimisation of fuel choice used for specific purposes, hard coal classification according to charring degree coalification of coal organic matter and technological classification. The important issue of the research is the analysis of the influence of petrographic composition of hard coal on its technological properties.

Eds note: Dr Rog was supposed to have been introduced in ICCP News #57. The editor apologises for this omission

Know Your Coal Petrologist #53



Claus Diessel is well known but who are the two roses around this thorn? *Answer p30.*

Passing Members

Dr Helmut Jacob, 1920 - 2014



**In Memoriam
Helmut Jacob
(02.07.1920 Meißen -18.01.2014 Celle)**

Helmut Jacob passed away on 18 January, 2014 suffering from long post-stroke health complications in Celle, Lower Saxony, Germany. He was a long standing ICCP member, attending his first Meeting of the International Committee for Coal Petrology in 1962 in Liège, (Belgium). He was until his retirement in 1985 an extremely active member, first of the Nomenclature Commission and then of Commissions I, II, and III. His enormous activities as an ICCP Member and convener included valuable contributions to the development of nomenclature and classification of brown coals at macroscopic and microscopic scales, carried out firstly within the Nomenclature Commission in the 60s under the leadership of Dr. M. Teichmüller and in the 70s under Dr. M. Wolf, among others. Helmut Jacob also provided important contributions on application of microscopy of briquettes to brown coal briquetting and coking in Commission III. As a well-known petrologist, he also made substantial achievements in the establishment of nomenclature and classification of solid bitumens within Commission II.

Helmut Jacob was born on July 2nd, 1920 in Meißen, Saxony, former East Germany. After obtaining a high school certificate in 1939 in Meißen, he applied for ore-mining placement in Halsbrücke (Freiberg district, Saxony, Germany), (Jacob, 1989). Following ore and coal-mining placements in January 1940 and July 1945 in Freital-Döhlen, Helmut Jacob began his study at the Mining Faculty at the Bergakademie Freiberg. After military service during the Second World War in the German Air Force (Dill, 2014), Helmut Jacob performed his obligatory self-study report in 1949 on mineralization of host rock and grain size of cassiterite (SnO_2) at the Vereinigt Feld Fundgrube in Ehrenfriedersdorf, Erzgebirge (Ore Mountains), Saxony, Germany. In December 1950, Helmut Jacob graduated from the Faculty of Geology with an extensive work on “Origin and petrology of lignite at the Zittauer Basin”. After graduation, Helmut Jacob worked at the Institute for Briquetting from 1950 to 1957 under the direction of prof. Dr.-Ing. E. Rammler, the Director of the Institute for Briquetting at the Bergakademie Freiberg, on application of optical microscopy to briquettes of brown coals. In 1955 he obtained his Ph.D. on the “The Investigations into the Relationship between Petrography of Lignites and Briquetting”. His wealth of experience at the sharp end of lithotypes and maceral classification of lignite and subbituminous coals at the institute for Briquetting at the Freiberg Academy led to a sound approach to assessments for briquetting, coking and low-temperature carbonization. At the same time, Helmut Jacob introduced Ptalat, a synthetic resin as an embedding medium for brown coals, and carried out investigations of application of clay alumina for polishing purposes in preparation of polished pellets and whole rock blocks.

In June 1957 Helmut Jacob moved to the newly established Deutsches Brennstoffinstitut (former East German Resource Research Institute) in Freiberg where he conducted numerous studies on the origin of coal, in particular on biochemical coalification and on the origin of solid bitumens in lignites and brown coals, followed by a methodological approach towards the petrography of brown coals as well as briquetting and coking properties of lignites.

In September 1958, Helmut Jacob moved from Deutsches Brennstoffinstitut to Bundesamt für Bodenforschung (BfB) in Hannover, former West Germany, and became head of the department

“Laboratory for Coal and Oil”. Until the mid- to late-60s, he was very much involved in coal research and undertook multiple projects on determination of petrographical, chemical and technological parameters of peat and hard coals of Egypt, Burma and Afghanistan, among others. In between numerous projects, Helmut Jacob contributed to the advanced education of M. Choudhury (India) in 1964-1965. Following the coal crises of the mid-60s, he acquired several research projects related to prospecting for petroleum and gas deposits in and outside of Germany with DEMINEX and others. In 1972, he became the head of the Organic Petrology and Lithobiotics at Bundesanstalt für Geowissenschaften und Rohstoffe (BGR), (former BfB), and worked actively on the development of methodology and instrumental improvements of Leitz microscopes, on preparation techniques of polished pellets in peat and brown coals, and on electronic data processing during the 70s and 80s. With the improvements of preparation techniques, Helmut Jacob advised the advanced education to R. Mildenerberger, RWTH Aachen. Until his retirement in 1985, Helmut Jacob worked on numerous research studies covering subjects such as coal geology, petrological, chemical and technological properties of hard and brown coals in East Germany, Spain, Mexico, Lesotho, and together with Dr. J. Koch and Dr. W. Hufnagel, he studied fluorescence microscopy and photometry of fossil organic components in coals, shales, peats and soils, and microscope-photometric investigations of natural solid bitumens. Following his retirement, Helmut Jacob remained very active, publishing almost on a yearly basis and engaged in the field of compost and rotting organic products.

As a well-experienced coal and organic petrologist, his knowledge, expertise and skills were much in demand from the majors. He established fruitful cooperations with many institutions, scientific organizations first in former East Germany, than in former West Germany and abroad. Helmut Jacob worked during his career with main research institutes such as the Institute for Briquetting at the Bergakademie Freiberg under the direction of Prof. Dr.-Ing. E. Rammler, RAG Coal (Ruhrkohle Aktiengesellschaft), Rheinbraun AG (Rheinische Braunkohlenwerke) with Dr. Ing. Kurtz, LURGI, Institute for Preparation at the Bergakademie Clausthal, TU Berlin, Bergbau-Forschung, Essen, Geologisches Landesamt 2. Nordrhein-Westfalen with Dr.

Hesemann and Dr. M. Teichmüller, Prof. N.B. Wassojewitsch former UdSSR, Ernst Leitz KG, Brennstoffchemisches Institut at Ruhkohlenberatung GmbH, and Magyar Tudományos Akadémia, Budapest with Dr. L. Soos.

It is difficult to describe all the professional research papers of Helmut Jacob. As sole author or with collaborators he authored about 105 papers in national and international journals and in contributions to text-books. Helmut Jacob was co-author of the International Handbook of Coal Petrography (1971, 1975) and he gave numerous scientific projects, for example the DGMK-Project on “Dispersed solid oil bitumens as migration and maturation indicators applied in petroleum/gas prospection.”

Helmut Jacobs’s practical knowledge in the field of lignites studies fruited within the ICCP in 1963-1970 as a member and secretary of the Lignite Section, established within the Nomenclature Commission, and, in the development of maceral and microlithotype classification and nomenclature of brown coals, as well as in the application of photometric reflectance and luminescence measurements to brown coals. His enormous scientific engagement in the 60s is reflected also in his work as a member of the following Working Groups (WG): Maceral WG, Vitrinite WG, Gelinite WG, Humodetrinite WG, Lithotypes in “Brown coals WG”, Chlorophyllinite WG, “Gelinite WG, Humodetrinite WG, Humotelinite WG”, “Rank and Nomenclature WG”, Pseudovitrinite WG and as convener of the Low-Rank Analytical Studies WG since 1966. In the early and mid-70s, Helmut Jacob participated in the inter-laboratory “MOD- 1-5, 11-19” analysis series, worked on the ICCP Sheets of Application of Coal Petrography to Briquetting, and contributed to developments in following WGs “Bituminite in Brown Coals WG”, “Fluorescence-Photometry WG”, and “Automation WG”. As chairman of the “Brown Coal-Analysis” WG in the 70s, he further complemented the work on low rank coals with reflectance measurements, maceral analysis, and preparation techniques of pellets and whole rocks for incident light and transmittance microscopy. Helmut Jacob, together with members of the WG, contributed towards the ICCP sheets for Remissions Measurements conducted with aid of electric ELREPHO remission photometer from Carl Zeiss Company, Oberkochen (Germany). In the late 70s, he also participated in the round robin

exercises of the Vitrinite/Inertinite Transitions WG established within Commission I. Also within Commission I, Helmut Jacob was a member of the Identification of Coal Oxidation WG, the Resinite-Vitrinite Transition WG, the Saprovitrinite WG, and the Quantitative Fluorescence-Microscope-Photometrical Techniques WG. Further, within Commission I, Helmut Jacob participated in the development of the Macropetrographic Classification of Soft Brown Coals WG. As convener of the Bitumen WG within Commission II he led work on classification, nomenclature, standard analyses, and recognition of different generation phases of bitumens. He also performed correlations of optical and chemical parameters of bitumens.


For those who knew Helmut Jacob, it was no surprise that he become a genuine example of an extremely trustworthy and “exact researcher”. His acerbic attitude towards scientific investigations helped him a lot in his scientific career. And although some of us may recall him as a demanding scientist, he remained a fair and warm-hearted personality.

Our lives are smaller without Helmut Jacob. He will be missed. He will always remain in our hearts.

*Jolanta Kus, Joachim Koch, Werner Hiltmann,
Heinz Hufnagel, Wilhelm Dunker*

Jacob, H. 1989. CV of Helmut Jacob.
<http://www.fak3.tu-freiberg.de/akop/Jacob.pdf>

Dill, H.G. (with contributions by K.-H. Hetz) (2014) Luftkrieg von Aschaffenburg bis Zwiesel- Ein militärisch-technisches Feature zur Heimatgeschichte Nordbayerns.- Verlag Druckkultur Späthling, Weißenstadt, ISBN-978-3-942668-11-8 [Aerial warfare from Aschaffenburg to Zwiesel- A military-technical contribution to the regional history of Northern Bavaria] (in print) 1008 pp.



Wir sind durch Not und Freude
Gegangen Hand in Hand,
Vom Wandern ruhen wir beide
Nun überm stillen Land.
O weiter, stiller Friede!
So tief im Abendrot,
Wie sind wir wandermüde –
Ist dass etwa der Tod?

J. v. Eichendorff

Dr. Helmut Jacob

* 2. 7. 1920 † 18. 1. 2014

In Dankbarkeit und tiefer Trauer
Annemarie Jacob

Die Beerdigung findet am Donnerstag, dem 30. Januar 2014, um 13.30 Uhr
von der Friedhofskapelle in Winsen (Aller) aus statt.
Beerdigungsinstitut Behr-Marwede, Meißendorfer Straße 2, Winsen (Aller).

Duncan G. Murchison, 1928-2013



A celebration of the life of

Duncan George Murchison

13th January 1928 – 13th November 2013

West Road Crematorium
Newcastle upon Tyne

Friday 22nd November 2013, 2.30 pm

Order of Service

Entrance Music

Vivaldi
Mandolin Concerto in F

Words of Welcome

Debbie Lane
Humanist Celebrant

A Tribute

Period of Reflection

Poem

Rice Pudding
A.A. Milne

The Committal

Closing Words

Closing Music

The Dashing White Sergeant
Jimmy Shand

ICCP Awards and Calls for Nominations



Fisherman's Prayer

God grant that I may live to fish until my
dying day

And when it comes to my last catch I then
most humbly pray

When in the Lord's safe landing net I'm
peacefully asleep

'That in his mercy I be judged as good
enough to keep

Anon



The family would like to thank you for attending today
and for the kind words and support shown to them.

Donations in memory of Duncan to Childline or
the Phillipine Disaster Fund can be forwarded
c/o

R.W. Barrett & Son Funeral Services
379 West Road
Newcastle upon Tyne
NE15 7NL
Tel 0191 241 0873

Dr Rudi Schwab is thanked for representing ICCP
at Duncan's funeral and providing the above order
of service.

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
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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

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Coal & Organic Petrology Services Pty Ltd
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Sans Souci, NSW 2229
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Answer to Know Your Coal Petrologist #53

Of course the expression in English is a rose between two thorns - but how inappropriate in this case! The two roses are Lila Gurba (L) and Krystyna Tokarska (R) at the ice-breaker in Utrecht, 2003

DEADLINE FOR NEXT

ICCP NEWS :

2ND JULY 2014

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.

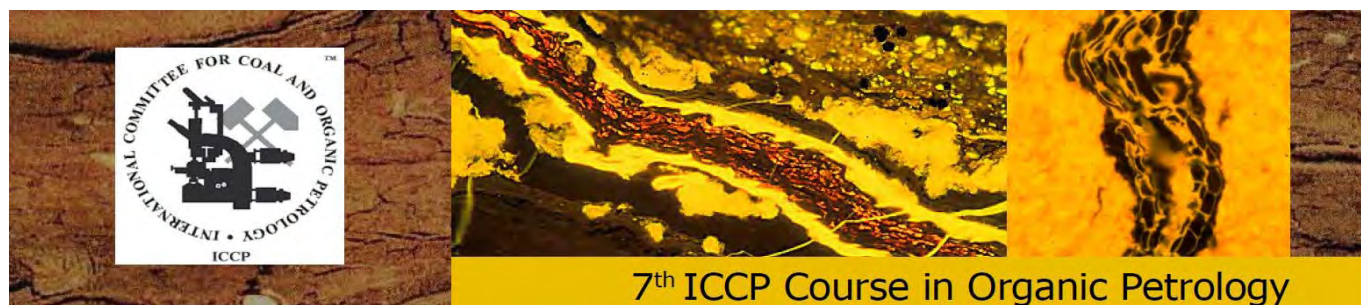
	SCAP		DOMVR		CBAP	
	Entry	Continuation	Entry	Continuation	Entry	Continuation
Non-Memb €	126	84	100	66	200	168
Members €	63	42	50	33	100	84

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

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



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/>)



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

It is with much regret that we announce that this course has been postponed and will not be run as previously announced. It is hoped to be able to run this course during 2015.

The XIV Latin-American Congress on Organic Geochemistry

Armação dos Búzios (State of Rio de Janeiro, Brazil), from November 2 to 5, 2014

Scientific Program

- | | | |
|--|------------------------------------|------------------------------------|
| § Petroleum Systems | § Unconventional Petroleum Systems | § Gas Geochemistry |
| § Source Rock Characterization and Organic Petrography | | § Basin Modelling |
| § Environmental Geochemistry | § New Analytical Techniques | § Surface Exploration Technologies |
| § Other Topics on Organic Geochemistry | | |

On November 1st and 2nd, pre-congress activities will include basic and advanced courses focussing on the most recent advances in selected topics of Organic Geochemistry. On November 6th, post-congress field trips will show interesting aspects of the regional geology. The sponsors will also organize the exhibition of products and services in order to promote technological discussions and business among the geochemical community.

Early Bird Registration Deadline: July 30th 2014

<http://www.interevent.com.br/evento/sbfo2014>

<mailto:alago2014@interevent.com.br>



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 CO₂ 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



WHAT'S HAPPENING

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>

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>

2 - 5 November 2014

XIV Latin-American Congress on Organic Geochemistry, Armação dos Búzios, Brazil.

<http://www.interevent.com.br/evento/sbfo2014>
<mailto:alago2014@interevent.com.br>

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>

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**