

## Tentative AGENDA of the 67<sup>th</sup> ICCP Meeting

Potsdam, Germany

Saturday 5<sup>th</sup>- Friday 11<sup>th</sup> September 2015



<b><u>Saturday 05/09/2015</u></b>	Start: Mercure Hotel, Lange Brücke, Potsdam
08:00 - 18:00	Field Trip The field trip includes a visit to the East German Lignite opencast mine Welzow-Süd and the power plant 'Schwarze Pumpe'.
<b><u>Sunday 06/09/2015</u></b>	Venue: Telegraphenberg, Building A27
13:30 - 18:00	Council Meeting Telegraphenberg, Building A27, Geolab
17:30 - 21:00	Registration, Telegraphenberg, Building A27, Great Refractor
18:00 - 21:00	ICCP Icebreaker Telegraphenberg, Building A27, Great Refractor The Potsdam Great Refractor is the world's fourth largest double-refractor telescope. It belonged to the former Astrophysical Observatory, Potsdam and was inaugurated by the Emperor Wilhelm II in 1899. The instrument is an important example of the fine mechanical and optical manufacturing of the early astrophysical research at the beginning of the 20th century. The German association "Förderverein Großer Refraktor Potsdam e.V.", which renovated extensively the heritage-protected telescope in the previous years, will give a guided tour in the refractor building.
18.30	Guided Tour Great Refractor
<b><u>Monday 07/09/2015</u></b>	Venue: Telegraphenberg, Building H
08:30 - 10:00	Registration Welcome and Opening of the 67 <sup>th</sup> ICCP Meeting
10:00 - 10:30	Coffee Break

10:30 - 12:00	<p><b><i>Organic Petrology Research in South Eastern Europe and Russia</i></b></p> <p>Organic Petrology in service of Archaeology: a study on chars from Çukuriçi Höyük, Western Turkey <i>K. Christanis, G. Siavalas, R.G. Oskay, D. Wolf, B. Horjes</i></p> <p>Coal petrography of Carboniferous coal seams from the Kozlu K20G well, Zonguldak Basin, Turkey <i>A.I. Karayigit, M. Mastalerz</i></p> <p>Peat-forming process in Keri Mire, Zakynthos Island, Southern Greece: a modern analogue of paralic coal-forming palaeoenvironments <i>S. Kalaitzidis</i></p> <p>Mineralogy, geochemistry, and Hg content characterization of fly ashes from “Maritza 3” and “Varna” thermoelectric power plants, Bulgaria <i>I. Kostova, C. Vassileva, S. Dai, J. Hower</i></p> <p>A proposal for a new classification system for xylite-rich low rank coals: an example from a Neogene Greek lignite deposit <i>I.K. Oikonomopoulos, G. Kaouras, N. Tougiannidis, M. Perraki, P. Antoniadis, W. Ricken</i></p> <p>Application of organic petrology to characterization of blast furnace dusts <i>G. Predeanu, D.C. Mihăiescu, C. Panaitescu</i></p> <p>Evaluation of coal mechanical and thermal processing by means of organic petrology methods <i>G. Predeanu, C. Panaitescu</i></p> <p>Petrographic composition and degree of coal metamorphism in deep-seated successions of Donbass <i>I.E. Stukalova, A.V. Ivanova</i></p>
12:00 - 12:30	<b>Coffee Break</b>
12:30 - 13:30	<p><b><i>Opening Plenary Session of the General Assembly</i></b></p> <p>Dr. Petra David; ICCP President Dr. Ángeles G. Borrego, ICCP General Secretary</p> <ol style="list-style-type: none"> <li>1. Apologies for Non-attendance</li> <li>2. Minutes of Previous Meeting</li> <li>3. Arrangements for Potsdam Meeting</li> <li>4. Future Meetings (short status)</li> <li>5. Membership</li> <li>6. Elections (short status)</li> <li>7. Editor’s Report</li> <li>8. Financial matters</li> <li>9. ICCP Training Subcommittee</li> </ol>
13:30 - 14:30	<b>Lunch</b>

14:30 - 15:00	<p><b><i>Opening Plenary Session of the General Assembly</i></b></p> <p>10. ICCP Accreditation Programs</p>
15:00 - 15:10	<p><b>Meeting of Commission I</b></p> <p>Chair: Dr. Deolinda Flores Secretary: Dr. Stavros Kalaitzidis</p> <p>Opening Remarks</p>
15:10 - 15:30	<p><b>Single Coal Accreditation Program - SCAP</b> Dr. Kimon Christanis</p> <p>ICCP organises Accreditation Programs through which individual petrographers can be granted an ICCP Accreditation in the techniques of petrographic analyses. The Single Coal Accreditation Program (SCAP) for both maceral group and vitrinite random reflectance analyses tests 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. The 2014/2015 ICCP accreditation round has been finalized and evaluated.</p>
15:30 - 16:00	<p><b>Suberinite Working Group</b> Dr. Peter Crosdale</p> <p>The objectives of the Suberinite Working Group are to investigate the various forms of suberinite in coal and to establish if the present ICCP definition is adequate and applicable. A round robin exercise has been performed and the results will be presented by Dr. P. Crosdale and discussed.</p>
16:00 - 16:30	<p><b>Coffee Break</b></p>
16:30 - 16:45	<p><b>Standardization Working Group</b> Dr. Walter Pickel</p> <p>The purpose of the Standardization Working Group is to organize and evaluate round robin exercises related to analysis procedures, recent discussions as well as to definitions and classifications established or to be established by the ICCP. The current exercise deals with a round robin exercise performed on image-based presentation in which petrographers are requested to assign the identified maceral to a respective vitrinite subgroup: telovitrinite, detrovitrinite or gelovitrinite according to vitrinite 1994 ICCP system.</p>
16:45 - 17:00	<p><b>ISO Standard</b> Dr. Walter Pickel</p> <p>Since its founding, the ICCP has formalised coal petrographic nomenclature, which is now employed in all branches of coal science, and technology. These definitions form the basis of standards established by national and international organisations such as ISO, DIN and ASTM. The ICCP is still involved in the development of new standards and the revision of existing standards. Dr. Pickel will outline the progress of the revision of the ISO 7404, Part 4 Method of determining microlithotype, carbominerite, and minerite composition.</p>

17:00 - 17:30	<p><b>Distinguishing Features of Macerals Editorial Group</b>  <b>Dr. Walter Pickel</b></p> <p>The aim of this Editorial Group is to define and compile criteria that will add more detail to the ICCP 1994 maceral classification and thus support analysts in maceral identification. The intention is to go beyond the definitions and create a guide that will clarify points in the microscopic identification of macerals.</p>
17:30 - 18:10	<p><b>New Methodologies and Techniques in Organic Petrology Editorial Group</b>  <b>Dr. Lila Gurba</b></p> <p>The scope of the New Methodologies &amp; Techniques in Organic Petrology Editorial Group is to prepare a “Handbook of Instrumental Techniques Applied in Coal and Organic Petrology - Electron Microprobe”. This Handbook will provide information on the instrument (capabilities, limitations, development of analytical protocols, standards, etc.) as well as on coal macerals and source rocks studies using EMA.</p>
<b><u>Tuesday 08/09/2015</u></b>	<b>Venue: Telegraphenberg, Building H</b>
08.30 – 08.50	<p><b>Micro-FTIR Working Group</b>  <b>Prof. Kuili Jin, Dr. Yuegang Tang, Dr. Shaoqing Wang, Dr. Lei Zhao</b></p> <p>This WG was established in 2012 in Beijing and deals with application of Micro-FTIR on coals, with the aim to standardize the different existing methodologies.</p>
08:50 - 09:15	<p><b>New Handbook Editorial Group</b>  <b>Dr. Ivana Sýkorová, Dr. Isabel Suárez-Ruiz &amp; Dr. Kimon Christanis</b></p> <p>The ICCP intends to publish a New Handbook. For this purpose, text from previous Handbook versions and publications has been scanned and is available in editable text format. A draft structure of New Handbook Edition has been defined. A number of definitions have been reviewed and are now ready to be published in the ICCP website.</p>
09:15 - 09:30	<p><b>TEM, SEM and Pyrolytic Carbon Editorial Group</b>  <b>Prof. Barbara Kwiecińska &amp; Dr. Sławomira Pusz</b></p> <p>New chapters on TEM microscopy, SEM microscopy, and Pyrolytic Carbon have been drafted by the convenors of the Editorial Group. The text is already published on the ICCP website for the final review phase by Commission I members. It is intended to attain an approval of these finalized Chapters from Commission I members at the meeting in Potsdam.</p>

09:30 - 10:00	<p><b>QEMSCAN and Raman Spectroscopy Editorial Group</b>  <b>Dr. Sandra Rodrigues</b></p> <p>QEMSCAN (Quantitative Evaluation of Minerals by Scanning Electron Microscopy) is a fully automated microanalysis system that allows quantitative chemical analysis of materials and generation of high-resolution mineral maps and images as well as porosity structure. It can be applied to the study on mineral matter in coal and characterization of organic matter hosting rocks. The draft document has been uploaded on the ICCP website for further review.</p>
10:00-10:30	<p><b>Coffee Break</b></p>
10:30 - 12:00	<p><b>Liptinite Editorial Group</b>  <b>Dr. Walter Pickel</b></p> <p>The draft document along with the photomicrographs has been delivered to Commission I and it will be available on the ICCP webpage for ICCP Members to review. Commission I will prepare a final version for the ICCP Handbook accompanied by numerous photomicrographs and a final version for International Journal of Coal Geology with a limited number of photomicrographs.</p>
12:00 - 12:30	<p><b>Coffee Break</b></p>
12:30 – 13:00	<p><b>Oxidation Editorial Group</b>  <b>Jolanta Kus MSc., DIC &amp; Dr. Magdalena Misz-Kennan</b></p> <p>The Oxidation Editorial Group has prepared the Chapter on “Natural aerial coal oxidation (weathering) and artificial aerial coal oxidation (laboratory oxidation) – A review” to be included in the New Edition of the ICCP Handbook. The Draft Chapter of Coal Oxidation (text and plates 1-13) is already published on the ICCP website for the final review phase by Commission II members. It is intended to attain an approval of the finalized Draft Chapter from Commission II members at the meeting in Potsdam.</p>
13:00 - 13:10	<p><b>Petrographic Image Database</b>  <b>Dr. Johan Joubert, Paul Hackley MSc &amp; Dr. Paddy Ranasinghe</b></p> <p>The aim of the Working Group is to establish and maintain a database of photomicrographs to support the ICCP classification, teaching, and training courses in Organic Petrology organized by the ICCP. The requirements and structure of the database as well as the specifications for the quality size and format of photomicrographs have to be defined. Images of the maceral sheets and the images of the Working Groups as well training material from the Diskus system will be implemented. For comparison, Paul Hackley will demonstrate the USGS Photomicrograph Atlas.</p>
13:10 - 13:25	<p><b>Enhancement of FOSSIL Measurement System</b>  <b>Carl Hilgers</b></p> <p>Carl Hilgers will present the new developments of the FOSSIL measurement system.</p>
13:25 - 13:30	<p><b>Commission I: Closing Remarks</b>  <b>Dr. Deolinda Flores &amp; Dr. Stavros Kalaitzidis</b></p>

<b>13:30 - 14:30</b>	<b>Lunch</b>
14:30 - 16:00	Microscope Session Commission I & Commission II Participants can bring their own polished blocks for discussion.
<b>16:00 - 16:30</b>	<b>Coffee Break</b>
16:30 - 17:30	Microscope Session Commission I & Commission II Participants can bring their own polished blocks for discussion.
17:30 - 20:00	Council Meeting Telegraphenberg, Building H27, Geolab
<b><u>Wednesday 09/09/2015</u></b>	Venue: Telegraphenberg, Building H
08:30 - 08:45	<b>Meeting of Commission II</b> Chair: Paul Hackley, MSc. Secretary: Jolanta Kus, MSc., DIC Opening Remarks
08:45 – 09:15	Dispersed Organic Matter White Paper Dr. Maria Hámor-Vidó  The Working Group was created to provide a reference text for the petrographic analysis of dispersed organic matter including the identification of components and thermal maturity. A white paper has been drafted and it is intended to publish it after the final review and approval by Commission II members.
09:15 - 10:00	Shale Gas & CBM/CO <sub>2</sub> Sequestration Working Group Dr. Lila Gurba  The aim of this Working Group is to identify possible contributions of organic petrology to coalbed methane studies and its advanced applications.
<b>10:00-10:30</b>	<b>Coffee Break</b>
10:30 - 11:10	Identification of Dispersed Organic Matter Working Group Jolanta Kus MSc., DIC  The focus of this Working Group is to test the applicability of the existing nomenclature of dispersed organic matter classified in accordance to the ICCP-TSOP Classification System (2004). A number of round robin exercises were performed to test the existing ICCP definitions of alginite and bituminite. A draft manuscript on the results attained in previous round robin exercises will be presented.

11:10 – 11:30	<p><b>Identification of Primary Vitrinite Working Group</b>  <b>Paul Hackley MSc &amp; Dr. Brett Valentine</b></p> <p>The aim of this Working Group is to provide guidelines for identification of the primary vitrinite population in dispersed organic matter. A round robin exercise was performed to develop precision statistics for ASTM D7708: Standard Test Method for Microscopical Determination of the Reflectance of Vitrinite Dispersed in Sedimentary Rocks. Future efforts in this Working Group will investigate ways to improve measurement reproducibility in high maturity, low TOC sedimentary rocks.</p>
11:30 - 12:00	<p><b>Correction Function for Fluorescence Lamps</b>  <b>Dr. Ángeles G. Borrego</b></p> <p>The application of the correction function to the calibration of the ICCP halogen lamps used during spectral fluorescence analyses has to be re-evaluated. Future work includes the evaluation of the frequency of calibration of artifacts generated during calibration and of the spectral drift over time.</p>
<b>12:00 - 12:30</b>	<b>Coffee Break</b>
12:30 - 13:30	<p><b>DOMVR Accreditation Program</b>  <b>Dr. Ángeles G. Borrego</b></p> <p>Dr. A.G. Borrego will present the results of the 2014/2015 Accreditation Program on Dispersed Organic Matter Vitrinite Reflectance Accreditation Program (DOMVR).</p>
<b>13:30 - 14:30</b>	<b>Lunch</b>
14:30 - 15:10	<p><b>Palynofacies Working Group</b>  <b>Prof. João Graciano Mendonça Filho</b></p> <p>Palynofacies analysis is an integral part of the organic petrology. The activities of this Working Group generate important results by linking transmitted light-based palynofacies techniques with the traditional reflected light microscopy analysis applied in organic petrology investigations.</p>
15:10 - 15:30	<p><b>DOM Atlas Working Group – ICCP-TSOP</b>  <b>Dr. Isabel Suárez-Ruiz</b></p> <p>This project is a joint effort of the International Committee for Coal and Organic Petrology (ICCP) and The Society for Organic Petrology (TSOP). The Objective of the Working Group is to develop a system enabling classification of dispersed organic matter using different sample mounting techniques and diverse illumination conditions. An atlas is in preparation.</p>
15:30 – 16:00	<p><b>Commission II: Closing Remarks</b>  <b>Paul Hackley MSc &amp; Jolanta Kus MSc., DIC</b></p>

16:00 - 16:30	<b>Coffee Break</b>
16:30 – 16:40	<p><b>Meeting of Commission III</b>  Chair: Dr. Isabel Suárez-Ruiz  Secretary: Dr. Magdalena Misz-Kennan</p> <p>Opening Remarks</p>
16:40 – 17:10	<p><b>Carbon Materials Working Group</b>  Dr. Georgeta Predeanu &amp; Prof. Cornelia Panaitescu</p> <p>The objective of the Working Group is directed to the microscopical characterization of carbon materials derived from coal and petroleum. It focuses on the consolidation and completion of the existent methods developed for structural and textural characterization of carbon materials. Activities include description of optical appearance of the carbon textures, identification of the morphological differences (optical texture and shape, optical type, and size) and evaluation of the origin of optical texture and the porosity development.</p>
17:10 – 17:30	<p><b>Fly Ash Working Group</b>  Dr. Isabel Suárez-Ruiz &amp; Dr. Bruno Valentim</p> <p>The objective of the Working Group is the identification of all the organic and inorganic components enclosed in fly ashes by application of optical microscopy and to establish an ICCP classification that can be accepted internationally.</p>
<b><u>Thursday 10/09/2015</u></b>	<b>Venue: Telegraphenberg, Building H</b>
08:30 - 09:00	<p><b>Coal Blends Accreditation Program</b>  Dr. Isabel Suárez-Ruiz</p> <p>The outcome of the 2014/2015 Accreditation Program on Coal Blends (CBAP) will be presented.</p>
09:00 – 10:00	<p><b>Self-Heating Working Group</b>  Dr. Magdalena Misz-Kennan, Jolanta Kus MSc. DIC.,  Dr. Deolinda Flores</p> <p>Both organic and mineral matters undergo thermal alteration during self-heating processes. The objectives of this Working Group are to assemble examples of a variety of forms of transformation of organic matter in coal and coal wastes at different rank and to create a classification of self-heating-induced transformations of organic matter in coal and coal wastes. The current exercise deals with a round robin exercise performed on image-based presentation of thermally altered coal wastes in which petrographers are requested to assign the identified maceral in accordance to the newly proposed classification of thermally altered organic matter in coal wastes.</p>



10:00 – 10:30	<p><b>Optimization of Reflectance Measurements on Complex Blends Working Group</b>  <b>Prof. Joan Esterle &amp; Dr. A.K. Singh</b></p> <p>The basis of this Working Group is the fact that production of good quality cokes from blended coals is difficult and that measurement of the vitrinite reflectance (V-Steps) of coals in terms of Mean Maximum Reflectance (MMR) as well as optimization of V-steps remains still cumbersome. The aims of this WG are to count the reactive macerals and measure the vitrinite reflectance in each single coal derived from different countries i.e. India, Australia, New Zealand, Indonesia, China, USA, Mozambique, etc. and to repeat the respective exercise after blending the coals of different origin and of varying ratios. This would enable the optimization of suitable blends suited to prepare desired cokes for steel industry. It will also enable us to refine/re-define the number of counts required for reactive macerals and also the number of vitrinite grains necessary for mean max reflectance &amp; V-step combination.</p>
10:30-11:00	<b>Coffee Break</b>
11:00 – 11.10	<p><b>Characterization of Gasification Products Working Group</b>  <b>Dr. Nicola Wagner</b></p> <p>This Working Group was organized to establish a petrographic classification and to characterize the organic and inorganic particles obtained from coal gasification. The chars produced from different gasification technologies as well as the influence of particle size, maceral type and conversion behaviour are incorporated in the objectives included in the research work of the Working Group.</p>
11:10 – 11.50	<p><b>Coke Petrography Working Group &amp; Related Activities</b>  <b>Lauren Johnson</b></p> <p>The objective of this Working Group is to establish a classification of coke textures which is reproducible and which can predict coke technological properties.</p>
11:50 – 12.00	<p><b>Proposal of Accreditation Programme on Structural Order</b>  <b>Dr. Sandra Rodrigues</b></p>
12:00 – 12.15	<p><b>Commission III: Closing Remarks</b>  <b>Dr. Isabel Suárez-Ruiz &amp; Dr. Magdalena Misz-Kennan</b></p>
12.15 -13.30	<p><b><i>Closing Plenary Session of the General Assembly</i></b>  <b>Dr. Petra David; ICCP President</b>  <b>Dr. Ángeles G. Borrego, ICCP General Secreatry</b></p> <ol style="list-style-type: none"> <li>11. Registration</li> <li>12. Revision of Statutes</li> <li>13. Membership</li> <li>14. Website</li> <li>15. Elections</li> </ol>

<b>13.30 – 14.30</b>	Poster <b>Session</b>
<b>13:30 - 14:30</b>	<b>Lunch during Poster Session in the Foyer of Building H</b>
14:30 – 16.00	<p><b><i>Closing Plenary Session of the General Assembly</i></b></p> <p>16. Short reports from the Commission Meetings  17. Short report from the Council Meeting  18. Arrangements for 2016 Meeting  19. ICCP Awards  20. Others</p>
16:00	Departure to Mercure Hotel by bus
17:00 – 19.00	City Tour & Visit to Pfingstberg & Belvedere
19:00 – 24.00	Conference Dinner

<b><u>Friday 11/09/2015</u></b>	Venue: Wissenschaftsetage Bildungsforum Potsdam (WIS), „Süring“ and „Volmer“ Halls, Am Kanal 47, Potsdam  <b>The ICCP Symposium on “Coal and Organic Petrology – New Perspectives and Applications: a tribute to Marlies Teichmüller (1914-2000)”</b>
<b>Chairs: Petra David &amp; Polla Khanaqa</b>	
09:00 – 09:25	Organic petrographic oddities of the Woodford Shale, Oklahoma, U.S.A.  <i>B.J. Cardott</i>
09:25 – 09:50	New insights to the geology, micropetrography and genesis of the pyropissite-deposits of Zeitz-Weißenfels, Germany  <i>H. Gerschel, J. Rascher, N. Volkmann</i>
09:50 – 10:15	Geochemical, palaeopalynological and petrographical features of Gurha lignite, Rajasthan, western India: an insight into the palaeovegetation  <i>A. Singh, R.P. Mathew, H. Singh, B.D. Singh, S. Dutta</i>
10:15 – 10:40	Characterization of Carboniferous coals from the Donets Basin, Ukraine by EPMA, organic petrography and geochemical methods  <i>D. Gross, D. Misch, F. Zaccarini, A. Király, R.F. Sachsenhofer, V.A. Privalov, E.A. Panova</i>
<b>10:40 – 11:00</b>	<b>Coffee break</b>
<b>Chairs: Hans-Martin Schulz &amp; Ángeles Gómez Borrego</b>	
11:00 – 11:25	Effect of igneous intrusion on hydrocarbon generation behavior of coal seam in Jambad area, Raniganj Basin, India  <i>A.K. Varma, S. Misra, S. Chakraborty, S.K. Das, B. Hazra, D.J. Patil, B.D. Singh, S. Biswas, S.K. Samad</i>
11:25 – 11:50	Organic petrology of the lacustrine Lucaogou Formation, Santanghu Basin, northwest China: application to lake basin evolution  <i>P.C. Hackley, N. Fishman, T. Wu, G. Baugher</i>
11:50 – 12:15	Origin and evolution of Asian Dipterocarps: evidences from resin chemistry and palynological data  <i>S. Dutta</i>
12:15 – 12:40	Petrographic characterization of coals from virgin areas of the Barakar Formation, South Karanapura Coalfield, India and their utilization potential  <i>P. Kumari, A.K. Singh, N. Kumari, P. Boral, S. Kumar, N.K. Shukla, S. Chatterjee, B. Ghosh</i>
<b>12:40 – 13:40</b>	<b>Lunch</b>

<b>Chairs: Stavros Kalaizidis &amp; Walter Pickel</b>	
13:40 – 14:05	Traces of burial-induced Permo-Triassic and Jurassic heating discriminated from the Cretaceous Upper-Austroalpine orogenic diagenetic-metamorphic pattern by organic matter studies and maturity modelling, Mittelbünden, Switzerland <i>R. Ferreiro Mählmann, M. Wolf, D. Bernoulli, R. Petschick, P. Meister, J. Mullis, M. Giger, H. Krumm</i>
14:05 – 14:30	Coke optical texture as the fractal object <i>M. Piechaczek, A. Mianowski, A. Sobolewski</i>
14:30 – 14:55	Study of maceral and rank characteristics vis-a-vis their industrial implications - a case study on coals of Raniganj Formation, India <i>A.K. Singh, P. Boral, N.K. Shukla, S. Kumar, P. Kumari, V. Singh, B. Ghosh</i>
14:55 – 15:20	Optical properties of anthracites – changes under oxidation <i>S. Pusz, H. Krztoń, B. Kumanek, S. Czajkowska, U. Szeluga, J. Strzezik, A. Krztoń</i>
15:20 – 15:40	<b>Coffee break</b>
<b>Chairs: Jolanta Kus &amp; Magdalena Misz-Kennan</b>	
15:40 – 16:05	Petrological considerations for the demineralization of Rajmahal coals with <i>Pseudomonas mendocina</i> B6-1 <i>P.K. Singh, A L. Singh, A. Kumar, M.P. Singh</i>
16:05 – 16:30	Comparison of optical characteristics of cokes obtained from pristine and weathered coals <i>Ł. Smędowski, M. Piechaczek</i>
16:30 – 16:55	Miocene depositional environment and climate in western Europe based on maceral indices and geochemical data for three thick lignite seams of the Lower Rhine Embayment <i>A. Stock, R. Littke</i>