

Program Overview

Friday, September 16

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|---|------------|
| 10:00 am - 12:30 pm Registration Open / Pre-Meeting Field Trip Check-in | Main Lobby |
| 11:00 am Pre-Meeting Field Trip Departure | Main Lobby |

Saturday, September 17

| | |
|---|-----------------------|
| 8:00 am - 3:00 pm Registration Open | Exec. Conference Ctr. |
| 9:00 am - 5:00 pm Short Course "Integration of Microscopy and Geochemistry in Petroleum Source Rock Evaluation" | Commerce Room |

Sunday, September 18

| | |
|---|-----------------------|
| 12:30 pm - 4:00 pm Registration Open | Exec. Conference Ctr. |
| 1:00 pm - 6:00 pm ICCP Council Meeting | Capitol Room |
| 5:30 pm - 9:00 pm TSOP Outgoing Board Meeting | Preston Room |

Monday, September 19

| | |
|---|-------------------------|
| 7:30 am - 4:00 pm Registration Open | Sterling Ballroom Foyer |
| 8:00 am - 11:50 am TSOP General Session in honor of Burgess and Dow | Sterling Ballroom 2 |
| 9:30 am - 12:00 pm ICCP General Assembly | Sterling Ballroom 1 |
| 11:00 am - 5:00 pm Poster Session I | Commerce Room |
| 1:00 pm - 5:00 pm Microscope Methodologies and Recognizing and Characterizing Organic Microporosity | Sterling Ballroom 2 |
| 6:00 pm - 8:00 pm Icebreaker / Exhibitors | Exec. Conference Ctr. |

Tuesday, September 20

| | |
|---|---------------------------------------|
| 7:30 am - 12:00 pm (noon) Registration Open | Sterling Ballroom Foyer |
| 8:00 am - 11:50 am Palynofacies and Kerogen | Sterling Ballroom 2 |
| 8:00 am - 12:00 pm ICCP Commission III Meeting | Sterling Ballroom 1 |
| 9:00 am - 7:00 pm Poster Session I | Commerce Room |
| 12:00 pm (noon) - 12:15 pm TSOP / ICCP Group Photo | TBA |
| 12:15 - 2:00 pm TSOP Business Luncheon | Caroline Room |
| 4:00 - 7:00 pm Happy Hour / Poster Viewing / Exhibitors | Commerce Room and Exec. Conf. Ctr. |
| 7:00 - 9:00 pm Student ONLY Event; meet in Magnolia Lobby | Flying Saucer Restaur. |
| 7:00 - 9:00 pm TSOP Incoming Council Meeting | Preston Room |

Wednesday, September 21

| | |
|---|-------------------------|
| 7:30 am - 12:00 pm (noon) Registration Open | Sterling Ballroom Foyer |
| 8:00 am - 11:50 am Multi-modal Characterization of Source Rocks, including Source-Rock Reservoirs | Sterling Ballroom |
| 8:00 am - 12:00 pm (noon) ICCP Commission II Meeting | Caroline Room |
| 9:00 am - 12:00 pm Poster Session I | Commerce Room |
| 12:00 pm - 1:00 pm Poster Changeover | Commerce Room |
| 1:00 pm - 1:30 pm Registration Open | Sterling Ballroom Foyer |
| 1:00 pm - 5:20 pm Multi-modal Characterization of Source Rocks, including Source-Rock Reservoirs | Sterling Ballroom |
| 1:00 pm - 4:00 pm ICCP Microscopy Session | Caroline Room |
| 1:00 pm - 6:00 pm Poster Session II | Commerce Room |
| 5:20 pm - 5:40 pm Meeting Group Photo | TBA |
| 7:00 pm - 9:00 pm Conference Dinner | Sambuca Restaurant |

Thursday, September 22

| | |
|--|---------------------------------------|
| 7:30 am - 10:00 am Registration Open | Sterling Ballroom Foyer |
| 8:00 am - 10:15 am ICCP Commission II Meeting | Sterling Ballroom 1 |
| 8:00 am - 11:50 am Alfred Traverse Symposium | Sterling Ballroom 2 |
| 9:00 am - 7:00 pm Poster Session II | Commerce Room |
| 10:45 am - 12:00 pm (noon) ICCP Commission I Meeting | Sterling Ballroom 1 |
| 1:00 pm - 6:00 pm ICCP Commission I Meeting | Sterling Ballroom 1 |
| 1:00 pm - 5:10 pm Alfred Traverse Symposium | Sterling Ballroom 2 |
| 5:00 pm - 7:00 pm Happy Hour / Poster Viewing / Exhibitors | Commerce Room and Exec. Conf. Ctr. |
| 6:00 pm - 9:00 pm ICCP Council Meeting | Capitol Room |
| 6:00 pm - 9:00 pm AASP-TPS Outgoing Board Meeting | Preston Room |

Friday, September 23

| | |
|---|-------------------------|
| 7:30 - 10:00 am Registration Open | Sterling Ballroom Foyer |
| 8:00 am - 11:50 am AASP-TPS General Session | Sterling Ballroom 1 |
| 9:00 am - 12:00 pm Poster Session II | Commerce Room |
| 11:50 am - 12:15 pm AASP-TPS Group Photo | TBA |
| 12:15 - 2:00 pm AASP-TPS Business Luncheon | Library |
| 1:00 pm - 5:00 pm ICCP General Assembly | Sterling Ballroom I |
| 3:00 pm - 5:00 pm AASP-TPS Incoming Board Meeting | Preston |

Saturday, September 24

| | |
|---|------------|
| 6:30 am Post-Meeting Field Trip Check-in | Main Lobby |
| 7:00 am Post-Meeting Field Trip Departure | Main Lobby |

Meeting Norms

Cell Phones / Mobile Phones

Switch your cell phone / mobile phone / tablet to silent mode. Do not answer calls in the meeting rooms.

Oral Presentations

Presenters should load their PowerPoint files at least 15 minutes prior to the start of their assigned session.

Oral Presentations are 20-minutes in length, excepting keynote presentations, which are 40-minutes in length. When you have 5 minutes remaining, the session moderator will signal the time. A second signal will be given at 2 minutes time remaining. You will be summarily cut-off at the end of your allotted time. Should fewer than 2 minutes be remaining when you finish your presentation, no questions will be permitted and audience members will be instructed to save their questions for the next break.

Poster Presentations

Posters in session I are to be hung on Monday morning and removed at noon on Wednesday. Poster Presenters with posters in session I are expected to be present at their posters during the Tuesday Happy Hour / Poster Viewing time (4:00 - 7:00 pm).

Posters in session II are to be hung during Wednesday lunch break and removed at noon on Friday. Poster Presenters with posters in session II are expected to be present at their posters during the Thursday Happy Hour / Poster Viewing time (5:00 - 7:00 pm).

Poster presenters will be provided with velcro tabs and/or push pins to hang the posters on the posterboards. You must hang your poster on your assigned posterboard.

Applause & Questions

Save your applause and questions for the end of talks unless instructed otherwise by the speaker.

Photography and Filming/Videoing

Flash photography is forbidden during oral presentations. Photography or videoing of slides is strongly discouraged. Photography of posters is not recommended without permission of the author.

Social Media

Please use the hashtag #Houston2016 when posting about the meeting on social media. Be very cognizant that the contents of many presentations contain preliminary data and/or may not be shared via social media.

The organizing committee suggests that the following symbols be posted on the title slide of presentations that you do not want to be discussed on social media or photographed where possible. It is requested that delegates respect authors' wishes and do not share contents of presentations containing these symbols:



撮影禁止 / No Photography
禁止拍摄 / 촬영금지

Ethical Behavior

TSOP and AASP-TPS, as member societies of the American Geosciences Institute, ascribe to the AGI Guidelines for Ethical Professional Conduct. Colleagues violating the code of conduct may be asked to leave the meeting.

AGI Guidelines for Ethical Professional Conduct

<http://www.americangeosciences.org/community/agi-guidelines-ethical-professional-conduct>

These guidelines address common ethical topics across the geoscience community; the ethics statements of individual societies may expand beyond these guidelines.

Geoscientists play a critical role in ethical decision making about stewardship of the Earth, the use of its resources, and the interactions between humankind and the planet on which we live. Geoscientists must earn the public's trust and maintain confidence in the work of individual geoscientists and the geosciences as a profession. The American Geosciences Institute (AGI) expects those in the profession to adhere to the highest ethical standards in all professional activities. Geoscientists should engage responsibly in the conduct and reporting of their work, acknowledging the uncertainties and limits of current understanding inherent in studies of natural systems. Geoscientists should respect the work of colleagues and those who use and rely upon the products of their work.

In day-to-day activities geoscientists should:

Be honest.

Act responsibly and with integrity, acknowledge limitations to knowledge and understanding, and be accountable for their errors.

Present professional work and reports without falsification or fabrication of data, misleading statements, or omission of relevant facts.

Distinguish facts and observations from interpretations.

Accurately cite authorship, acknowledge the contributions of others, and not plagiarize.

Disclose and act appropriately on real or perceived conflicts of interest.

Continue professional development and growth.

Encourage and assist in the development of a safe, diverse, and inclusive workforce.

Treat colleagues, students, employees, and the public with respect.

Keep privileged information confidential, except when doing so constitutes a threat to public health, safety, or welfare.

As members of a professional and scientific community, geoscientists should:

Promote greater understanding of the geosciences by other technical groups, students, the general public, news media, and policy makers through effective communication and education.

Conduct their work recognizing the complexities and uncertainties of the Earth system.

Sample responsibly so that materials and sites are preserved for future study.

Document and archive data and data products using best practices in data management, and share data promptly for use by the geoscience community.

Use their technical knowledge and skills to protect public health, safety, and welfare, and enhance the sustainability of society.

Responsibly inform the public about natural resources, hazards, and other geoscience phenomena with clarity and accuracy.

Support responsible stewardship through an improved understanding and interpretation of the Earth, and by communicating known and potential impacts of human activities and natural processes.

Detailed Program

Monday, September 19th

8:00 am - 11:50 am **TSOP General Session in honor of Burgess and Dow** **Sterling Ballroom 2**

Moderators: Thomas Gentzis and Humberto Carvajal-Ortiz

| Start Time | Abstract Number | Presenter | Title |
|-------------------|------------------------|-------------------|---|
| 8:00 am | | | Opening Remarks |
| 8:10 am | 128 & 129 | Jarvie | Keynote: Remembering and Honoring the Life and Times of Two Legends of Organic Petrography: Jack Donald Burgess and Wallace “Wally” Gillmore Dow |
| 8:50 am | 37 | Borrego | Organic Petrology and Geochemistry of Mississippian Black Shales in the N of Spain: Vegamián Formation, Cantabrian Zone |
| 9:10 am | 15 | Borrego | Changes in the redox conditions in a Bashkirian carbonate marine environment as seen from the organic matter assemblage and the biomarker’s fingerprint. Cantabrian Zone, North Spain |
| 9:30 am | 102 | Singh | Petro-chemical study of coals from Virgin areas of Barakar Formation of Eastern India to assess the utilisation potential in steel industry |
| 9:50 am | | | Morning Coffee/Tea Break |
| 10:00 am | 103 | Singh | Petrographic and chemical characterization of low rank coals of Raniganj Formation in India to assess its efficient industrial utilisation |
| 10:20 am | 70 | Mitrovic | Characteristics of Lignite lithotypes from the Kovin deposit (Serbia) - implications from petrographical, biomarker, and isotopic studies |
| 10:40 am | 53 | Jiang/ O’Keefe | Petrology, palynology, and geochemistry of Pliocene lignite in Jinsuo mine, eastern Yunnan, China |
| 11:00 am | 6 | Ardakani | Dolomite fluorescence color zonation: thermal or chemical effect? |
| 11:20 am | 93 | Rimmer | Rate matters - the effects of rapid heating on organic matter by dikes and sills |
| 11:40 am | | | Concluding Remarks |
| 11:50 am | | | Lunch Break |

Monday, September 19th

9:30 am - 12:00 pm

ICCP General Assembly

Sterling Ballroom 1

| Start Time | Topic |
|-------------------|--|
| 9:30 am | 1) Apologies for Non-attendance 2) Minutes of Previous Meeting 3) Arrangements for Houston Meeting 4) Future Meetings (short status) |
| 10:00 am | Morning Coffee/Tea Break |
| 10:30 am | 5) Membership 6) Elections (short status) 7) Editor's Report 8) Financial matters 9) Training Activities 10) Accreditation Programmes 11) ICCP Registration (short status) |
| 12:00 pm | Lunch Break |

Monday, September 19th, 11:00 am - Wednesday, September 21, 12:00 pm

Poster Session I

Commerce Room

| Posterboard Number | Abstract Number | Presenter | Title |
|--------------------|-----------------|-------------------------|--|
| 1 | 27 | Drobniak | Photomicrograph atlas of New Albany Shale organic matter |
| 2 | 108 | Suarez-Ruiz | Influence of solid bitumen on the development of porosity in shale oil reservoirs: The case of the Salada Member of the La Luna Foration (Turonian-Santonian age) in Colombia |
| 3 | 88 | Reyes | Determination of hydrocarbon generation and expulsion temperature of four organic-rich Upper Ordovician shales from Hudson Bay and Fox Basin, Canada using hydrous pyrolysis |
| 4 | 119 | Wei | Comparative optical properties of vitrinite and other macerals from Upper Devonian to Lower Mississippian New Albany Shale: Implications for thermal maturity |
| 5 | 106 | Stoupakova/Luzhbina | Geochemical and petrographical characterization of organic matter of Domanic deposits in Timan-Pechora Basin |
| 6 | 98 | Saad | Using isotopic signature to determine stages of diagenesis within the Montney Formation, Canada |
| 7 | 22 | Damoulianou/Kalaitzidis | Organic petrographical features and Rock-Eval parameters of the Upper Jurassic Naokelekan Formation, KRG-Iraq |
| 8 | 60 | Lauridsen | The Upper Jurassic Source Rock Potential in the Danish Central Graben |
| 9 | 10 | Beattie | Source rocks and thermal maturity of the Weald Basin, United Kingdom |
| 10 | 4 | Aldred | Metal mobilisation during hydraulic fracturing of the Bowland Shale, United Kingdom |
| 11 | 42 | Haghnazar-Liseroudi | H ₂ S Generation in the Montney Tight Gas Reservoir: Petrographic Evidence |
| 12 | 99 | Shiau | Geochemical characters of oils in the southwestern Taiwan and their possible source rocks |
| 13 | 47 | Huang | Multiple genetic origins and effects of secondary alteration on the Paleogene natural gasses in the Liaohe Basin, northeast China - insight from the chemical and stable isotopic compositions |
| 14 | 86 | Raji | The effect of demineralization on isolated Kimmeridge Clay kerogens, North Sea |
| 15 | 19 | Clarke | The Evolution of Petrophysical Properties During Pyrolysis: Examples from the Montney and Duvernay Formations, Canada |

Monday, September 19th, 11:00 am - Wednesday, September 21, 12:00 pm

Poster Session I

Commerce Room

| Posterboard Number | Abstract Number | Presenter | Title |
|---------------------------|------------------------|------------------|---|
| 16 | 46 | Hsu | The study of treatment method in rock sample that had oil base mud contamination |
| 17 | 57 | Kojic | Study of the synergetic effect of co-pyrolysis of lignite lithotypes and high density polyethylene |
| 18 | 52 | Jalonek | Relationship between the content of mercury in coal lithotypes and their ashes of the Upper Silesian Coal Basin (Poland) |
| 19 | 89 | Ribeiro/Flores | Rare earth elements and yttrium in coal, coal waste material and fly ash from Douro Carboniferous Basin, Portugal |
| 20 | 111 | Tian | Mineralogical characteristics and transformation behaviors of silicon bearing minerals during high silicon coal combustion |
| 21 | 118 | Wei | Re-evaluation of the “organic affinity” of trace elements in the high-GE coals from China |
| 22 | 67 | Mastalerz | Application of palynology and petrography in the correlation of the Pennsylvanian Brazil and Staunton Formation coals in the eastern part of the Illinois Basin |

Monday, September 19th

1:00 pm - 5:00 pm **Microscope Methodologies and Recognizing and Characterizing Organic Microporosity** **Sterling Ballroom 2**

Moderators: Maria Mastalerz and Stavros Kalaitzidis

| Start Time | Abstract Number | Presenter | Title |
|-------------------|------------------------|------------------|--|
| 1:00 pm | 16 | Cardott | Keynote: Reflections on nanoporosity development in kerogen and bitumen: where and when |
| 1:40 pm | 56 | Ko | Controls on Pore Types and Pore-Size Distributions in Marine and Lacustrine Mudstones: Examples from Mississippian Barnett, Upper Devonian-Lower Mississippian Woodford, Upper Triassic Yanchang, and Upper Cretaceous Boquillas and Eagle Ford Formations |
| 2:00 pm | 104 | Smith | Hi-tech characterization of very unconventional sandstone reservoirs in some deeply buried and folded gas fields, South America |
| 2:20 pm | 124 | Zhang | Heterogeneity and its porosity and permeability characteristics in the No. 3 CBM reservoir of Gaohe block in Qinshui Basin, China |
| 2:40 pm | | | Afternoon Coffee/Tea Break |
| 2:50 pm | 123 | Hackley | New Technique for In Situ Geochemical Characterization of Dispersed Organic Matter: Application of Infrared (IR) Nanoscopy to New Albany Shale |
| 3:10 pm | 97 | Ruppert | <i>In situ</i> neutron scattering measurements of carbon dioxide in Marcellus Shale samples |
| 3:30 pm | 105 | Smith | Transmission Electron Microscopy (TEM) Analysis of Mineral and Organic-Matter Components in Upper Triassic Yanchang Lacustrine Mudstones, Ordos Basin, China |
| 4:10 pm | 110 | Gentzis | Classical Thermal Maturity Indices vs. Novel RGB-based Maturity Index: Calibration Practices and Correlation |
| 4:30 pm | | | Closing Remarks |

Tuesday, September 20th

8:00 am - 11:50 am Palynofacies and Kerogen

Sterling Ballroom 2

Moderators: Annette Götz; Kate Greiner

| Start Time | Abstract Number | Presenter | Title |
|-----------------|-----------------|----------------|--|
| 8:00 am | | | Opening Remarks |
| 8:10 am | 20 | Clayton | Keynote: The age, depositional environments and paleogeographic setting of the Upper Devonian Three Lick Bed in northeastern Kentucky, U.S.A. |
| 8:50 am | 45 | Hennissen | Textural and geochemical characterization of amorphous organic matter (AOM) in the Carboniferous shales from the Pennine Basin (United Kingdom) |
| 9:10 am | 96 | Ruckwied | Palynology of the Permian Prince Albert and Whitehill formations (Karoo Basin, South Africa): New insights on basin dynamics and implications for shale gas exploration |
| 9:30 am | 120 | Wheeler | Palaeoenvironmental and palaeoclimatic signatures of Gondwana's deglaciation recorded in palynofacies patterns of the Witbank and Highveld coalfields (South Africa) |
| 9:50 am | | | Morning Coffee/Tea Break |
| 10:00 am | 79 | Paterson | An integrated palynological, palynofacies, and chemostratigraphic study of the upper Ladinian-lower Carnian succession of the Norwegian Arctic; Boreal insights into the Carnian Pluvial Episode |
| 10:20 am | 34 | Fonseca | New palaeoenvironmental evidences for the Toarcian |
| 10:40 am | 35 | Fonseca | Evaluation of thermal maturity in the late Pliensbachian-early Toarcian organic-rich sediments of different basins of Southern France |
| 11:00 am | 68 | Mendonça Filho | Keynote: The fossil record of hydrozoans in dispersed organic matter: a palynofacies and organic petrographic approach to kerogen characterization |
| 11:40 am | | | Concluding Remarks |
| 12:00 pm | | | TSOP/ICCP Meeting Photograph |
| 12:15 pm | | | TSOP Business Luncheon |

Tuesday, September 20th

8:00 am - 12:00 pm

ICCP Commission III

Sterling Ballroom 1

| Start Time | Topic | Presenters |
|-------------------|--|---|
| 8:00 am | Commission III Opening Remarks | M. Misz-Kennan & Sandra Rodrigues |
| 8:15 am | Fly Ash Working Group | I. Suarez-Ruiz & B. Valentim |
| 9:00 am | Carbon Materials Working Group | G. Predeanu, C. Panaitescu, I. Suarez-Ruiz, & M. Piechaczek |
| 9:45 am | Morning Coffee/Tea Break | |
| 10:15 am | Self-Heating Working Group | M. Misz-Kennan, J. Kus, & D. Flores |
| 11:00 am | Environmental Application of Organic Petrology | S. Kalaitzidis & G. Siavalas |
| 11:30 am | Commission III Concluding Remarks | M. Misz-Kennan & Sandra Rodrigues |
| 12:00 pm | Lunch Break | |

Wednesday September 21st

**8:00 am - 11:50 am Multi-modal Characterization of Source Rocks,
including Source-Rock Reservoirs**

Sterling Ballroom

Moderators: Joe Curiale, Ling Gao

| Start Time | Abstract Number | Presenter | Title |
|-------------------|----------------------------|------------------|--|
| 8:00 am | | | Opening Remarks |
| 8:10 am | 112 | Tyson | Keynote: Predicting the initial source rock potential of marine sediments |
| 8:50 am | 17 | Carvajal-Ortiz | Geochemical Screening of Source Rocks and Reservoirs |
| 9:10 am | 28 | Drozd | Vitrinite Reflectance and Programmed Pyrolysis Tmax Measurements, How can I use both in an Operational Setting? |
| 9:30 am | 109 | Synnott | The effect of bacterial degradation on bituminite reflectance |
| 9:50 am | | | Morning Coffee/Tea Break |
| 10:00 am | 74 | Ocubalidet | Controls on Organic Carbon Accumulation in the Late Devonian New Albany Shale, West-Central Kentucky, Illinois Basin |
| 10:20 am | 63 | Liu | Characterization of geochemical properties and microstructures of the Bakken Shale in North Dakota |
| 10:40 am | 40 | Gorbanenko | Organic-facies variability and hydrocarbon potential of the Posidonia Shale in response to the Toarcian Oceanic Anoxic Event |
| 11:00 am | 126 | Sanei | Keynote: Fractionation of organic matter and implications in unconventional petroleum reservoirs quality |
| 11:40 am | | | Session Break Remarks |
| 11:50 am | | | Lunch Break |

Wednesday, September 21st

8:00 am - 12:00 pm

ICCP Commission II

Caroline Room

| Start Time | Topic | Presenters |
|-------------------|---|---------------------|
| 8:00 am | Commission II Opening Remarks | P. Hackley & J. Kus |
| 8:15 am | DOM Atlas Working Group - ICCP/TSOP | I. Suarez-Ruiz |
| 9:15 am | Identification of Dispersed Organic Matter WG | J. Kus |
| 10:00 am | Morning Coffee/Tea Break | |
| 10:15 am | Palynofacies Working Group | J.G. Mendonça Filho |
| 11:15 am | DOMVR Accreditation Program | A.G. Borrego |
| 12:00 pm | Lunch Break | |

Wednesday, September 21st, 12:30 pm - Friday, September 23, 12:00 pm

Poster Session II

Commerce Room

| Posterboard Number | Abstract Number | Presenter | Title |
|---------------------------|------------------------|-----------------------------|--|
| 1 | 113 | Valentine | The importance of correlative microscopy for understanding dispersed organic material: Bridging the gap between optical and electron microscopy |
| 2 | 43 | Hansen | Preliminary study on estimation of relative proportions of organic matter types in a Mississippian Barents Sea section |
| 3 | 51 | Jelonek | Petrophysical and statistical analyses and the evaluation of the methane content in the coal seams of the Upper Silesian Coal Basin (Poland) |
| 4 | 72 | Flores | Thermal Maturity study and organic composition of Early Jurassic Formations (Sinemurian-Lowermost Toarcian) Lusitanian Basin, Portugal |
| 5 | 9 | Bayramova | New data on palynology of Early Pliocene sediments of Azerbaijani oil |
| 6 | 77 | Omodeo-Sale/ Suarez-Ruiz | Definition of the depositional environments where coal and terrestrial organic matter form: The Mannville Group coal bearing strata (Alberta, Canada) |
| 7 | 30 | Suarez-Ruiz | Relationships between Paleocene coals of the Marcelina Formation from the Guasare Basin and the crude oils of the Amana oil field (Venezuela) |
| 8 | 101 | Singh | Petrography and Geochemistry in relation to depositional conditions and hydrocarbon potential of Surkha lignite deposits (Saurashtra Basin), western India |
| 9 | 117 | Wang/Zhang | Structural characteristics of different barkinite shapes by micro-FTIR |
| 10 | 116 | Wang/Zhang | Petrographic analysis of Middle Jurassic Dameigou Formation from northern Qaidam Basin, China: implications for organic matter sources and sedimentary environment |
| 11 | 122 | Xu | Theoretical study of stress-induced sorption capacity change of coal and its influence on coal permeability variation |
| 12 | 31 | Misz-Kennan | Geochemical- and petrological Properties of Coal Wastes with high extractable Bitumen Contents from the Lower Silesian Coal Basin (Poland) |
| 13 | 81 | Misz-Kennan | The Welnowiec Coal-Waste Dump (USCB, Poland): Value of a Multidisciplinary Case Study |

Wednesday, September 21st, 12:30 pm - Friday, September 23, 12:00 pm

Poster Session II

Commerce Room

| Posterboard Number | Abstract Number | Presenter | Title |
|-------------------------------|----------------------------|------------------|---|
| 14 | 55 | Kedzior | The influence of the second-and third coalification jumps on present-day methane contents in the Depiensko area (The Upper Silesian Coal Basin, Poland) |
| 15 | 12 | Bielowicz | Porosity and Other Petrographic and Technological Parameters of Polish Humic Coals |
| 16 | 13 | Bielowicz | Sulphur and Iron Sulphides in Lignite from the Bogdanka Hard Coal Mine, Lublin Coal Basin |
| 17 | 125 | Zhao | Mineralogy of the Pennsylvanian coal seam in the Datanhao Mine, Daqingshan Coalfield, Inner Mongolia, China: Genetic implications for mineral matter in coal deposited in an intermontane basin |
| 18 | 52 | Jelonek | Relationship between the content of mercury in coal lithotypes and their ashes of the Upper Silesian Coal Basin (Poland) |
| 19 | 62 | Zeng | FTIR characterization of Zhundong coal under acid treatment and solvent extraction |

Wednesday September 21st

1:00 pm - 5:40 pm Multi-modal Characterization of Source Rocks, Sterling Ballroom
including Source-Rock Reservoirs

Moderators: MaryAnn Love Malinconico and Shawn Wright

| Start Time | Abstract Number | Presenter | Title |
|-------------------|------------------------|-----------------------------------|--|
| 1:00 pm | 29 | Eble | Keynote: Palynology, Organic Petrography, and Geochemistry of two Coal-to-Shale Sequences in the Eastern Interior (Illinois) Basin, mid-Continent, USA |
| 1:40 pm | 87 | Reyes | Artificial maturation of chitinozoan and organic-rich Upper Ordovician shale from Boas river Formation, Hudson Bay Basin, Canada using modified hydrous pyrolysis |
| 2:00 pm | 48 | Jäger | Hydrocarbon potential of Lower Silurian Qusaiba Shales, Saudi Arabia, from optical and geochemical kerogen analysis |
| 2:20 pm | 51 | Jalonek | Petrographic and palynological analyses as an indicator of environmental changes during coal seam formation as based on the seam No 209 profile (Upper Silesia, Poland) |
| 2:40 pm | 1 | Kolo | Petrography, palynology, and geochemistry of organic matter from Upper Jurassic Naokelekan Formation, northern Mesopotamian basin, Kurdistan-Iraq: A study on regional thermal maturity trends |
| 3:00 pm | | Afternoon Coffee/Tea Break | |
| 3:10 pm | 127 | Bogus | Keynote: Palynomorph geochemistry as a kerogen proxy: preliminary work using organic-walled dinoflagellate cysts |
| 3:50 pm | 95 | Ruble | Assessing thermal maturity in Cambrian Source Rocks, Rome Trough, Appalachian Basin: organic petrology complexities |
| 4:10 pm | 39 | Gentzis | Hydrocarbon Source Potential in the Jurassic Matruh Basin, North Western Desert, Egypt |
| 4:30 pm | 36 | Furmann | Organic matter petrography, organic geochemistry, and porosity of Late Cretaceous (Cenomanian-Turonian) organic-rich mudstones from the Belle Fourche and Second White Specks Formations, West-Central Alberta, Canada |
| 4:50 pm | 54 | Suárez-Ruiz | The La Luna Formation (Turonian-Santonian age) in the Middle Magdalena Valley Basin from Colombia: A shale oil reservoir |
| 5:10 pm | | Concluding Remarks | |
| 5:20 | | Conference Photograph | |

Thursday, September 22nd

8:00 am - 11:50 am

Alfred Traverse Symposium

Sterling Ballroom 2

Moderators: Kimberley Bell and Rebecca Hackworth

| Start Time | Abstract Number | Presenter | Title |
|-----------------|-----------------|-----------|--|
| 8:00 am | | | Opening Remarks |
| 8:10 am | 91 | Rich | Keynote: Alfred Traverse – a brief history of an iconic palynologist |
| 8:50 am | 90 | Rice | <i>Retispora lepidophyta</i> assemblage near the Devonian-Carboniferous boundary: palynology of the Unit 4 shale in the middle Sapington Formation, Montana, USA |
| 9:10 am | 66 | Mangerud | Towards a revised palynostratigraphy for the Upper Triassic succession of the Norwegian Arctic |
| 9:30 am | 64 | Lopes | Palynostratigraphic study of the Finnmark Platform, Barents Sea, Norway |
| 9:50 am | | | Morning Coffee/Tea Break |
| 10:00 am | 121 | Riding | Resolving the Middle Jurassic dinoflagellate radiation: the palynology of the Bajocian of Europe |
| 10:20 am | 92 | Riding | The Upper Jurassic (Oxfordian) palynology of northwest Colorado and Utah, USA |
| 10:40 am | 21 | Cooling | Palynology of the Jurassic-Cretaceous transition in the Surat Basin, Queensland, Australia |
| 11:00 am | 33 | Fisk | Palynology of a Franciscan Mélange - A Case of Marginal Palynology Redux |
| 11:20 am | 82 | Pocknall | Palynology of non-marine and marine strata of the Straight Cliffs Formation (Coniacian-Campanian), Kaiparowits Plateau, Utah |
| 12:00 pm | | | Lunch Break |

Thursday, September 22nd

8:00 am - 12:00 pm

ICCP Commission II & Commission I

Sterling Ballroom 1

| Start Time | Topic | Presenters |
|-------------------|--|----------------------------|
| 8:00 am | Shale Gas & CBM/CO ₂ Sequestration WG | L. Gurba |
| 9:00 am | Identification of Primary Vitrinite WG | P. Hackley & B. Valentine |
| 10:00 am | Commission II Closing Remarks | P. Hackley & J. Kus |
| 10:15 am | Morning Coffee/Tea Break | |
| 10:45 am | Commission I Opening Remarks | D. Flores & S. Kalaitzidis |
| 11:00 am | SCAP - Single Coal Accreditation Program | K. Christanis |
| 11:30 am | Standardization Working Group | W. Pickel |
| 11:45 am | ISO Standard | W. Pickel |
| 12:00 pm | Lunch Break | |

Thursday, September 22nd

1:00 pm - 5:40 pm

Alfred Traverse Symposium

Sterling Ballroom 2

Moderators: Kimberley Bell and Jen O'Keefe

| Start Time | Abstract Number | Presenter | Title |
|----------------|-----------------------------------|------------|---|
| 1:00 pm | 26 | Dickey | Floral Response to the Paleocene Eocene Thermal Maximum in the Western U.S. Gulf Coast |
| 1:20 pm | 44 | Harrington | High-resolution palynofloral record through a middle-latitude PETM section: The Red Hot Truck Stop, MS |
| 1:40 pm | 25 | Denison | Paleocene and Eocene stratigraphy, Central Texas: pitfalls, new insights and lessons learned |
| 2:00 pm | 24 | Demchuk | A Proposal for an AASP-TPS Working Group on U.S. Gulf Coast Pollen/Spore Nomenclature and Synonymy |
| 2:20 pm | 58 | Korasidis | Cyclic Floral Succession and Fire in a Cenozoic Wetland/Peatland System |
| 2:40 pm | 94 | Romero | Biogeography and taxonomical affinity of <i>Striatopollis catatum-bus</i> , using Airyscan confocal superresolution microscopy |
| 3:00 pm | Afternoon Coffee/Tea Break | | |
| 3:10 pm | 41 | Greiner | Changes in pollen grain size as a proxy for long-term climate change: evidence from modern and fossil pollen |
| 3:30 pm | 8 | Baudoin | Cenozoic paleoenvironments evidenced from organic microfossils recovered from subglacial lakes and ice streams in Western Antarctica |
| 3:50 pm | 69 | Miao | Neogene Fungal Record from IODP Site U1433, South China Sea: implications for paleoenvironmental change |
| 4:10 pm | 100 | Silwadi | Dinoflagellate cyst stratigraphy and paleoecology of the Rees Borehold, Northern Belgium |
| 4:30 pm | 2 | Abomrigo | Central North Atlantic (IODP Site U1313) Paleooceanography Based on a High-Resolution Dinoflagellate Cyst Record across the Early-Middle Pleistocene Boundary (Marine Isotope Stages 20-18, ~773 ka). |
| 4:50 pm | 32 | Farley | Pollen as sedimentary Particles - Alfred Traverse's contributions and the future |
| 5:10 pm | | | Concluding Remarks |

Thursday, September 22nd

1:00 pm - 6:00 pm

ICCP Commission I

Sterling Ballroom 1

| Start Time | Topic | Presenters |
|-------------------|---|--|
| 1:00 pm | Suberinite Working Group | Peter Crosdale |
| 2:00 pm | Distinguishing Features of Macerals EG | W. Pickel |
| 2:30 pm | Reflectance & Terminology of Zooclasts in old sediments | T. Gentzis |
| 3:00 pm | Afternoon Coffee/Tea Break | |
| 3:30 pm | Petrographic Image Database | P. David |
| 4:00 pm | Xylite-rich Lithotype Classification WG | Y. Oikonomopoulos |
| 4:40 pm | New Methodologies and Techniques in Organic Petrography | L. Gurba |
| 5:10 pm | New Handbook Editorial Group | I. Sykorova, I. Suarez-Ruiz, K. Christanis, & P. David |
| 5:30 pm | Oxidation Working Group | J. Kus & M. Misz-Kennan |
| 5:40 pm | Status of Liptinite EG | W. Pickel |
| 5:50 pm | Commission I Closing Remarks | D. Flores, S. Kalaitzidis |

Friday September 23rd

8:00 am - 11:50 am

AASP-TPS General Session

Sterling Ballroom 2

Moderators: Sophie Warny & Katrin Ruckwied

| Start Time | Abstract Number | Presenter | Title |
|-------------------|------------------------|------------------|---|
| 8:00 am | | | Opening Remarks |
| 8:10 am | 61 | Laurence | Keynote: Forensic Palynology in the United States: The Search for Geolocation |
| 8:50 am | 38 | Genest | The Impacts of the Exxon Valdez oil spill on phytoplankton in Prince William Sound (Alaska, USA): Evidence from dinoflagellate cyst sedimentary records |
| 9:10 am | 11 | Beck | Comparing pollen in packrat coprolites to associated sediment from Paisley Caves, OR |
| 9:30 am | 78 | Pardes | Pollen analysis of the early Initial Period of Gramalote in northern Peru |
| 9:50 am | | | Morning Coffee/Tea Break |
| 10:00 am | 14 | Black | Plant Ecosystem Change from the 1380's through 1930's in Eastern Kentucky: Results from the BEPSUR Project |
| 10:20 am | 80 | Perrotti | The effects of sonication-assisted screening on Quaternary pollen samples |
| 10:40 am | 59 | Lau | Determining the number of pollen counts needed for honey bee pollen pellet analysis |
| 11:00 am | 76 | O'Keefe | Comparison of feral and managed honeybee diet among three hives in Northeastern Kentucky: preliminary implications for improving bee health |
| 11:20 am | 107 | Stukins | The John Williams Index of Palaeopalynology, digitizing a Big Data archive: A case study into the spatio-temporal richness of Aquilapollenites |
| 11:40 am | | | AASP-TPS Group Photograph |
| 12:00 pm | | | AASP-TPS Business Luncheon |

Friday, September 23rd

1:00 pm - 5:00 pm

ICCP General Assembly

Sterling Ballroom 1

Start Time

Topic

1:00 pm

- 11) Registration
- 12) Revision of Statutes
- 13) Membership
- 14) Website
- 15) Elections
- 16) Short reports from the Commission Meetings
- 17) Short reports from the Council Meetings
- 18) ICCP Meeting 2017