



37th TSOP ANNUAL MEETING

September 12-14, 2021

VIRTUAL EVENT 

PROGRAM

/time is set in EEST (UTC+3)/

Sunday, 12.09.2021

SHORT COURSE PROGRAM			
13:00	15:00	Shifeng Dai	Critical elements and mineral matter in coal + Discussion
15:00	16:00	Shifeng Dai	Practical session: Determination of Elements and Minerals in Coal
16:00	18:00	Robert Finkelman	Environmental and health impacts of coal including uncontrolled coal fires + Discussion
18:00	18:30	BREAK	
18:30	20:30	James Hower	Blue Gem geochemistry Discussion Fire Clay coals and various trends in fly ash chemistry Discussion

Monday, 13.09.2021

WELCOMING ANNOUNCEMENTS			
12:45	12:55	Paul Hackley	President of The Society for Organic Petrology
12:55	13:00	Irena Kostova	Chair of the Organizing Committee
TECHNICAL SESSION: Coal Geology, Resources and Utilization			
<i>Session Moderators: Irena Kostova and Shifeng Dai</i>			
13:00	13:20	Alexander Wheeler	Composition of an Early Cretaceous, Eurasian, intracratonic basin peat-forming flora: Deep time assessment of climatic and environmental conditions, Inner Mongolia, China

13:20	13:40	Ruiqing Li	Preparation and spectral characterization of coal-based graphene from anthracite in Qinshui coalfield, Shanxi Province
13:40	14:00	Vikram Yadav	Palaeo-environmental Investigations for Permian Coals of West Bokaro Coalfield, Ramgarh, Jharkhand
14:00	14:20	Piotr Sosnowski	Facies development of coal seams in the Knurów deposit (Upper Silesia, Poland)
14:20	14:50	BREAK	
TECHNICAL SESSION: Evaluation of the Unconventional Resources including Shale Gas, Shale Oil, Coal Bed Methane and Gas Hydrate			
<i>Session Moderators: Nikola Botoucharov and Qiang Wei</i>			
14:50	15:10	Atanas Vasilev	Gas hydrate deposits in Danube paleodelta: new heat flow approach
15:10	15:30	Eva Marinovska	Potential source rocks, hydrocarbon migration and reservoir rocks of gas hydrates in the Bulgarian part of Western Black Sea basin - 3D Neozoic model
15:30	15:50	Wei Li	The Impact of Oil Extraction on Nanoporosity and Methane Adsorption Capacity for Moisture-Equilibrated Shales
15:50	16:10	Divya Mishra	Maturation study of vitrinite from carbonaceous shales and coal: Preliminary insights from hydrous pyrolysis
16:10	16:40	BREAK	
TECHNICAL SESSION: Evaluation of the Unconventional Resources including Shale Gas, Shale Oil, Coal Bed Methane and Gas Hydrate			
TECHNICAL SESSION: New Techniques and Application			
<i>Session Moderators: Alexander Zdravkov and Maria Mastalerz</i>			
16:40	17:00	Jaime Cesar	Combining organic geochemical and petrographic tools for the assessment of low-permeability reservoirs containing migrated hydrocarbons
17:00	17:20	Agnieszka Drobnik	Quality testing of charcoal-based grilling fuels: A novel application for reflected light microscopy
17:20	17:40	Iwona Jelonek	Occupational health hazard index for mining plants based on petrographic analysis of coal
17:40	18:00	Leslie Ruppert	Fluid Movement Through Tight Petroleum Reservoirs: Key Insights from Neutron Scattering
18:00	18:30	BREAK	

18:30	20:15	POSTER SESSION	
		Session Moderators: <i>Maya Stefanova and Stavros Kalatzidis</i>	
18:30	18:37	Ferian Anggara	Enrichment of Rare-Earth Elements and Yttrium in Kalimantan Coal Ash
18:37	18:44	Neelu Tirkey	Palynological and Petrographical Studies of Coal Bearing Horizons of Rohne-Rautpara Area in the North Karanpura Coalfield, Jharkhand, India
18:44	18:51	Tianjiao Yu	The effect of Igneous Intrusion on the Mineral Matter in Coal, Moatize Basin, Mozambique
18:51	18:58	Wu Li	Characterization of chemical structure evolution of heat-treated anthracite: Insights from HRTEM image processing and analysis techniques
18:58	19:05	Fenting Wu	Comparative study of molecular geochemical characteristics of artificially expelled and residual oil from Tasmanian oil shale of Australia
19:05	19:12	Zbigniew Jelonek	Atlas of wood pellet components
19:12	19:19	Leibo Bian	Distribution and affinities of vanadium in the organic matter-rich Alum Shale: Implication for V exploration in Scandinavia
19:19	19:26	Juan Pineda	Organic petrology and geochemistry of the Los Molles Formation (Middle Jurassic) in the Picún Leufú area, Neuquén Basin
19:26	19:33	Maya Stefanova	Geochemical features of altered carbonaceous mudstones from of Troyanovo-3 Mine borehole (Maritsa Iztok lignite field, Bulgaria)
19:33	19:40	Denitsa Apostolova	Molecular indicators for coal-forming vegetation of Oranovo coal, Oranovo-Simitli basin, Bulgaria
19:40	19:47	Alexander Zdravkov	Composition of organic matter in Cretaceous sedimentary and volcano-sedimentary strata from Livingstone Island, Antarctic Peninsula
19:47	19:54	Irena Kostova	Biomarker assemblages of feed coal blend and fly ashes from Bobov dol thermal power plant, Bulgaria

19:54	20:01	Alexander Zdravkov	Peat-forming depositional environments within the Oligocene Bobov dol Basin, SW Bulgaria
20:01	20:08	Qiang Wei	Oxygen: the most likely binding site for organically associated trace elements in coal
20:08	20:15	Lin Jingwen	The group component and isotopic compositions of artificially expelled oil and retained oil from Tasmanian oil shale in Australia

Tuesday, 14.09.2021

TECHNICAL SESSION: Petroleum Geology, Coal and Organic Petrology, and Geochemistry			
<i>Session Moderators: Alexander Zdravkov and Lei Zhao</i>			
13:00	13:20	Tim Moore	Preliminary study of selected Late Cretaceous – Paleocene paleomires in the Guaduas Formation, Colombia
13:20	13:40	Xiaomin Xie	Geochemical characterization of kerogen density fractions and artificial mixtures of purified macerals from the Eocene Huadian oil shale, NE China
13:40	14:00	Xiaowei Zheng	Zooclastic kerogen of the lower Paleozoic Alum shale in Baltoscandia, northwestern Europe
14:00	14:20	Henrik Petersen	Organic composition and source rock quality of Miocene coals, Hanoi Trough, onshore northern Vietnam
14:20	14:40	Magdalena Misz-Kennan	Geochemical and petrological study of dump samples from Troyanovo-3 Mine (Maritsa Iztok Coalfield, Bulgaria) after a short (3 years) period of weathering
14:40	15:20	AWARDS PRESENTATIONS	
14:40	14:45	Paul Hackley	Introductions
14:45	14:55	Agnieszka Drobniak	TSOP finances
14:55	15:05	Paul Hackley	Announcement of all award winners
15:05	15:10	Kaydy Pinetown	Laudations
15:10	15:15	-	Thank you words by the winners

15:15	15:20	Paul Hackley	Announcement of the winners of the election and introduction of the new Council
TECHNICAL SESSION: Petroleum Geology, Coal and Organic Petrology, and Geochemistry			
<i>Session Moderators: Nikola Botoucharov and James Hower</i>			
15:20	15:40	Juan Pineda	Organic petrology of the Potrerillos-Cachueta source rocks in the Triassic Cuyo Basin, west-central Argentina
15:40	16:00	Carolina Fonseca	Organic facies variability and paleoenvironmental conditions across the Oceanic Anoxic Event 2 in the South Iberian Paleomargin.
16:00	16:20	Cortland Eble	Organic Petrography and Geochemistry of the New Albany Shale in Proximity to an Igneous Intrusion
16:20	16:40	Margaret Sanders	Raman Spectroscopy of Reflectance Suppression in Artificial Source Rock
16:40	17:00	Paul Hackley	Evaluating aromatization of solid bitumen generated in the presence and absence of water
17:00	17:20	Leslie Ruppert	The Future of Coal Geoscientists: A Survey of TSOP Members
17:20	17:50	BREAK	
TECHNICAL SESSION: Toxic or Valuable Trace Elements and Minerals in Coal and Coal Ash			
<i>Session Moderators: Irena Kostova and Robert Finkelman</i>			
17:50	18:10	Biao Fu	Geochemistry of Se in bituminous-coal-derived fly ashes: distribution, speciation, and partitioning mechanisms
18:10	18:30	Biao Fu	A comprehensive understanding of rare earth elements and yttrium in coal ash: enrichment mechanisms, speciation, and extraction techniques
18:30	18:50	Beilei Sun	Lithium, other trace elements and REE occurrence in selected coal seams from the Pennsylvanian-age Taiyuan Formation, Shanxi Province, China
18:50	19:10	Robert Finkelman	Emissions of exceptionally high fluorine from uncontrolled coal fires in Jharia, India
19:10	19:40	BREAK	
TECHNICAL SESSION: Environmental science applications of organic petrology			
<i>Session Moderators: Maya Stefanova and Agnieszka Drobnik</i>			

<i>19:40</i>	<i>20:00</i>	Pelayo Tomillo	Environmental study of an estuarine system affected by the harbor activity related to coal and other industries: San Balandran's case (Avilés, Northwestern Spain)
<i>20:00</i>	<i>20:20</i>	Oskar Hagelskjær	Ombrotrophic peatlands as atmospheric microplastic archives
<i>20:20</i>	<i>20:40</i>	Carme Huguet	Environmental health of the Pamplonita River, Santander Colombia
<i>20:40</i>	<i>21:00</i>	Dane Synnott	Evidence for widespread wildfires and their environmental impact in the Late Cretaceous Canadian Arctic
CLOSING WORDS			
<i>21:00</i>	<i>21:05</i>	Irena Kostova	Chair of the Organizing Committee
<i>21:05</i>	<i>21:15</i>	Kaydy Pinetown	Incoming TSOP president
<i>21:15</i>	<i>21:25</i>	Tim Moore	Convener of the 38 th TSOP Annual Meeting 2022