

# TSOP-2017-Calgary Program

## THURSDAY-September 21, 2017

**Pre-Meeting Field Trip:** Meet in lobby of Wyndham Hotel-Calgary Airport 7:30 -7:45 am (with luggage)-Bus departs at 8:00am

## FRIDAY-September 22, 2017

**Registration:** Grand Foyer (3rd Floor), Hyatt; 8:00am - 6:00pm

**Short Course:** Imperial Ballroom 4 (3rd Floor), Hyatt; 8:00am -

**Icebreaker:** Atrium (3rd Floor), Hyatt; 6:00 - 8:30pm

**Outgoing Council Meeting:** Neilson 3 (3rd Floor), Hyatt; 7:30 - 10:30pm

## SATURDAY-September 23, 2017 (main session)

Imperial Ballroom 6/8 (3rd Floor), Hyatt

## SATURDAY-September 23, 2017 (concurrent session)

Imperial Ballroom 4 (3rd Floor), Hyatt

SATURDAY-September 23, 2017 (main session)				SATURDAY-September 23, 2017 (concurrent session)			
Imperial Ballroom 6/8 (3rd Floor), Hyatt				Imperial Ballroom 4 (3rd Floor), Hyatt			
	8:30 AM	8:35 AM	<b>Welcoming by Co-Chairs and TSOP-CSCOP Presidents</b>				
<b>Session Chairs: Jennifer Galloway &amp; Danielle Kondla</b>	8:35 AM	9:15 AM	<b>Keynote</b>	<b>Per Kent Pedersen</b>	Stratigraphy of organic rich marine mudstones, event or genetic stratigraphy?		
	9:15 AM	9:40 AM		Dane Synnott	Influence of refractory organic matter on source rock hydrocarbon potential: A case study from the Second White Specks and Belle Fourche formations, Alberta, Canada		
	9:40 AM	10:05 AM		Shuangqing Wang	Revelation of organic matter sources and sedimentary environment characteristics by petrographic analysis of Middle Jurassic Dameigou Formation, northern Qaidam Basin, China		
	10:05 AM	10:30 AM		Brooke Johnson	Pore water redox variability and environmental change recorded by the 1.4 Ga Velkerri Formation, Northern Territories, Australia		
	10:30 AM	10:50 AM	<b>Coffee Break</b>				
	10:50 AM	11:15 AM		Marcelina Kondas	Preliminary results of the palynological investigation of the South Flank Arbuckle Anticline section, Oklahoma, USA.		
	11:15 AM	11:40 AM		Stephan Hlohowskyj	Does molybdenum enrichment imply depositional euxinia? New insights from the Montney formation using molybdenum x-ray absorption fine structure		
	11:40 AM	12:05 PM		JianYe Yang	Application of geochemical effects of lanthanide elements in distinguishing rock types and their diagenetic environments		
	12:05 PM	1:30 PM	<b>Lunch Break</b>				
<b>Session Chairs: Omid H Ardakani &amp; Bethany Kurz</b>	1:30 PM	2:10 PM	<b>Keynote</b>	<b>Lavern Stasiuk</b>	Integration of Reflected Light Microscopy and Scanning Electron Microscopy to investigate the development of organic matter hosted pores in natural and laboratory pyrolyzed samples, Eagle Ford Formation, West Texas, U.S.A.		
	2:10 PM	2:35 PM		Yong Ma	Organic matter pore system in the high gas-yielded Longmaxi shales: Do Graptolite-derived organic matter pores play a significant role?		
	2:35 PM	3:00 PM		Brett Valentine	Reflectance changes due to broad beam ion milling of coals and organic-rich shales: thermal alteration or surface polishing?		
	3:00 PM	3:20 PM	<b>Coffee Break</b>				
	3:20 PM	3:45 PM		Zihui Lei	Organic-matter pertinent and clay-mineral associated pores evolution and influence on reservoir: A case study of low-matured Silurian Longmaxi shale at Lizihe village, Yunnan province, south China		
	3:45 PM	4:10 PM		Leslie Ruppert	Investigation of Porosity and Wettability of the Marcellus Shale: a Small-angle Neutron Scattering Study		
	4:10 PM	4:35 PM		Katherine Clarke	The Evolution of Petrophysical Properties During Thermal Maturation: Examples from the Montney and Duvernay Formations, Alberta, Canada		
	4:35 PM	5:00 PM		Kouqi Liu	In-situ Nano-mechanical Characterization of Organic Matter in Shale		
	5:00 PM	6:30 PM	<b>Poster Session and Exhibitors</b> Grand Foyer 3 (3rd Floor), Hyatt				
	7:00 PM		<b>Conference Banquet</b> (Thompson Restaurant, Main Floor, Hyatt)				
<b>Session Chair: Shifeng Dai</b>	10:50 AM	11:15 AM		Zhenhua Jing	Effect of liquid oxidants on coal structure and permeability		
	11:15 AM	11:40 AM		Jienan Pan	Pore structure, macromolecular structure and adsorption characteristics of tectonically deformed coal		
	11:40 AM	12:05 PM		Li Yunbo	The measurement and quantitative analysis method of full scale pore structures in coal		
	12:05 PM	1:30 PM	<b>Lunch Break</b>				
<b>Session Chairs: Jian Chen &amp; Wu Li</b>	2:10 PM	2:35 PM		Zheng Sijian	Nuclear magnetic resonance T2 cut-off value of coals: a novel method by fractal analysis theory		
	2:35 PM	3:00 PM		Dangyu Song	Development and distribution of pores and fissures in coal matrix by SEM images analysis		
	3:00 PM	3:20 PM	<b>Coffee Break</b>				
	3:20 PM	3:45 PM		Kaydy Pinetown	A study of biogenic methane production from coals in the Sydney Basin, Australia		
	3:45 PM	4:10 PM		Meng Li	Coalbed methane potential and its geological controls of the Jurassic coals in the Fukang mining area, Southern Junggar Basin, NW China.		
	4:10 PM	4:35 PM		Fei Ren	Optimization of shockwave generation in water conditions for coal fracturing		
	4:35 PM	5:00 PM		Zhenni Ye	Occurrence Characteristics and Geological Controlling Factors of Coalbed Methane in the North Linyou of Yonglong Mining Area, China		

**SUNDAY-September 24, 2017 (main session)**  
Imperial Ballroom 6/8 (Third Floor), Hyatt

	8:30 AM	8:35 AM	<b>Meeting Announcements</b>	
	8:35 AM	8:50 AM	<b>Tribute</b> F. Goodarzi, J. Potter, T. Gentzis	Late Professor Duncan Murchison Tribute
<b>Session Chairs: Farl Goodarzi &amp; Shuangqing Wang</b>	8:50 AM	9:15 AM	Changyi Zhao	Experimental Study on Hydrocarbon Generation Mechanism of Coal
	9:15 AM	9:40 AM	Wu Li	Hydrocarbon generation from pyrolysis of coals in different rank
	9:40 AM	10:05 AM	Thomas Gentzis	A multi-component approach to study the source-rock potential of the Bakken Shale in North Dakota, USA, using organic petrology, Rock-Eval pyrolysis, palynofacies, LmPy-GCMSMS geochemistry, and NMR spectroscopy
	10:05 AM	10:30 AM	Louis Tsai	Depositional and thermal study of a HC containing structure in NW Taiwan
	10:30 AM	10:50 AM	<b>Coffee Break</b>	
	10:50 AM	11:15 AM	Thomas Gentzis	Comparative Study of Methylidiamondoid abundances as maturity estimates with conventional maturity proxies: Examples from West Texas and Northern South America
	11:15 AM	11:40 AM	Kouqi Liu	Understanding Kerogen Mechanical Properties Using Raman Spectroscopy
	11:40 AM	12:05 PM	Yanbin Yao	A new application of NMR in characterization of multi-phase methane gases and adsorption capacity of shale

**SUNDAY-September 24, 2017 (concurrent session)**  
Imperial Ballroom 4 (Third Floor), Hyatt

	9:15 AM	9:40 AM	Jian Chen	Mineralogy and geochemistry of the Late Permian No. 5 coals from the Nantong coalfield, Chongqing, southwestern China
<b>Session Chairs: Anthony Chappaz &amp; Xibo Wang</b>	9:40 AM	10:05 AM	Ferian Anggara	Geochemical and REY composition of the coal in Bangko coal field, South Sumatra Basin, Indonesia
	10:05 AM	10:30 AM	Xibo Wang	Sulfur and Organic Carbon Isotope Compositions of the Early Permian Upper No. 3 Coal from LiangBaosi mine, Southwestern Shandong, China
	10:30 AM	10:50 AM	<b>Coffee Break</b>	
	10:50 AM	11:15 AM	Meili Du	Study on the Correlation between Trace Elements in Coal and Coal-forming Plants in Yan'an Formation of Middle Jurassic, Ordos Basin
	11:15 AM	11:40 AM	Yongchun Zhao	Occurrence and Release of Sodium during Zhundong Coal Combustion
	11:40 AM	12:05 PM	Barbara Bielowicz	The petrographic analysis of waste generated during the gasification process

**TSOP 2017 Annual Meeting - Business Luncheon**  
Imperial ballroom 5/7/9 (3rd Floor), Hyatt

	12:05 PM	1:30 PM		
<b>Session Chairs: Zhong Ningning &amp; Per K. Pedersen</b>	1:30 PM	2:10 PM	<b>Keynote</b> Jim Wood	Hydrocarbon Fluid Distribution in the Montney Tight-Gas Fairway: Modification by Secondary Migration of Methane
	2:10 PM	2:35 PM	Kaydy Pinetown	Gas-water relative wettability of Australian shale
	2:35 PM	3:00 PM	Kunio Akihisa	Integrating Mud Gas and Cuttings Analyses to Understand Local CGR Variation in the Montney Tight Gas Reservoir
	3:00 PM	3:20 PM	<b>Coffee Break</b>	
	3:20 PM	3:45 PM	Deyu Gong	Geochemical characteristics of natural gases from Southern Junggar Basin, NW China
	3:45 PM	4:10 PM	Mastaneh Liseroudi	Late sulfate cements in the Lower Triassic Montney tight gas play and its relation to the origin of sulfate and H2S
	4:10 PM	4:35 PM	Kosei Yamaguchi	Early diagenesis of phosphorus and iron in the meromictic Lake Kai-ike sediments, southwest Japan
	4:35 PM	5:00 PM	Dennis Jiang	Rock-Eval analysis of shale and tight reservoir rock samples: pitfalls and new applications
	5:00 PM	5:30 PM	<b>Closing ceremony</b>	
	6:30PM	10:30PM	<b>Incoming Council Meeting:</b> Neilson 3 (3rd floor), Hyatt	

Walker Room, 3rd Floor, Hyatt				
<b>RAMAN Workshop</b>	2:10 PM	2:35 PM	RAMAN Workshop	RAMAN Workshop
	2:35 PM	3:00 PM	RAMAN Workshop	RAMAN Workshop
	3:00 PM	3:20 PM	<b>Coffee Break</b>	
	3:20 PM	3:45 PM	RAMAN Workshop	RAMAN Workshop
	3:45 PM	4:10 PM	RAMAN Workshop	RAMAN Workshop
	4:10 PM	4:35 PM	RAMAN Workshop	RAMAN Workshop
	4:35 PM	5:00 PM	RAMAN Workshop	RAMAN Workshop

**MONDAY-September 25**  
Post-Meeting Field Trip; Bus departs Lobby Hyatt Hotel, 8.00am

**MONDAY-September 25-27th**  
Post-Meeting Field Trip (Burgess Shale, Mt Stephen); Bus departs Lobby Hyatt Hotel, 8.00am