

# 2011 ATLAS SYMPOSIUM SCHEDULE

---

(\* presenting author)

## Thursday, April 7th

- 8:30 - 8:50 Prang Sinhabaedy\* and Octavian Catuneanu *"Seismic Stratigraphy and Geomorphology of the Exmouth Plateau, North-western Australian shelf"*
- 8:50 - 9:10 Khalid Mehmood Javaid *"Subsurface structural interpretation of the Kennetcook-Windsor Basin: Nova Scotia, Atlantic Canada"*
- 9:10 - 9:30 Tiffany Playter *"Detailed mineralogical characterization of the Upper Montney fine-grained 'shale' interval using micro-CT and electron microprobe analyses"*
- 9:30 - 9:50 Chelsea Fefchak\* and John-Paul Zonneveld *"The sedimentological framework of an aeolian sandstone reservoir: An Example from the Upper Triassic Charlie Lake Formation, Northeastern British Columbia"*

### Coffee Break

- 10:10 - 10:30 Luke McHugh\*, John-Paul Zonneveld, William S. Bartels, and Gregg G. Gunnell *"Geochemical characterization and correlation of the Cathedral Bluffs Tongue, southwestern Wyoming"*
- 10:30 - 10:50 Daniel Brown\* and Gerhard Reuter *"Temperature, precipitation, and lightning modification in the vicinity of the Athabasca oil sands"*
- 10:50 - 11:10 Carolyn Currie\* and Murray K. Gingras *"Clearwater Formation, Cold Lake Oil Sands Deposit: Estuarine Incised Valley Complex?"*
- 11:10- 11:30 Jenna Phillips\*, Mark Caplan, Murray K. Gingras, and George S. Pemberton *"Identification of an estuarine-embayment transition in the McMurray Formation of the MacKay River area, north-eastern Alberta"*

### 12:00 - 1:00 Keynote Speaker - Dr. Clarke Burchfiel **"Cenozoic Evolution of the Tibetan Plateau"**

- 1:20 - 1:40 Rui Wang\* and Jeremy Richards *"Tectonomagmatic Evolution of the Tibetan Margin from Pre-Collision, through Collision, to Post-Collision"*
- 1:40 - 2:00 Dennis Rippe\* and Martyn Unsworth *"Quantifying crustal flow in Tibet with magnetotelluric data"*
- 2:00 - 2:20 Letian Zhang\*, Gaofeng Ye, Wenbo Wei, and Sheng Jin *"A Three Dimensional Magnetotelluric study of North China and the Tibetan Plateau"*

### Coffee Break

- 3:00 - 3:20 Matthew Comeau\*, Letian Zhang, and Martyn Unsworth *"Magnetotelluric imaging of the Altyn-Tagh Fault, China"*
- 3:20 - 3:40 Yan Zhan\*, Martyn J. Unsworth, Zhao Guoze, Wang Weimao, Wang Jijun, and Xiao Qibin *"The Section Deep Electric Structures of Haiyuan Active Fault in Tibet and its Seismic Activity"*
- 3:40 - 4:00 Dunia Blanco\*, Rui Zhang, Vadim A. Kravchinsky, and Leping Yue *"Paleomagnetism and Tectonic Rotation in the Northern Junggar Basin, Northwest China: Evidence for major intracontinental shortening between Junggar and Europe after 20 Ma."*

### Coffee Break

- 4:20 - 4:40 Robynn Dicks\*, S.E. Dashtgard, J. Suter, and M. Gingras *"Neoichnological Trends at the Fluvial-Tidal Transition of the Columbia River Delta, northwest U.S.A."*
- 4:00 - 4:20 Alexandra Der\* and Brian Jones *"Evolution of an isolated carbonate bank: deposition and sea level fluctuations during Miocene times, Grand Cayman, British West Indies"*
- 4:20 - 4:40 Hongwen Zhao\* and Brian Jones *"Origin of Cenozoic dolostones, Cayman Brac, British West Indies"*
- 4:40 - 5:00 Tibor Lengyel\* and Benjamin Rostron *"Geothermics of the Phanerozoic strata of Saskatchewan"*

## Friday, April 8th

- 8:30 - 8:50 Rameses D'Souza\*, Larry Heaman, and Tom Chacko *"The geochemistry and geochronology of the Sparrow, Tsu Lake, and Uranium City mafic dykes"*
- 8:50 - 9:10 Daniel Tersmette\*, Tom Chacko, Larry Heaman, and Andy DuFrane *"Geology and metamorphic conditions of the Queen Maud block, Canadian Shield, Arctic Canada"*
- 9:10 - 9:30 Shauna Coombs\* and Tom Chacko *"Age, composition and thermal history of lower crustal xenoliths from the Slave Craton"*
- 9:30 - 9:50 Sebastian Tappe\*, Katie Smart, D. Graham Pearson, Agnete Steenfelt, and Antonio Simonetti *"Archean Refractory Eclogites from Greenland provide evidence for early continental growth in subduction zones"*

### Coffee Break

- 10:20 - 10:40 Jason Hong\*, C.D.K. Herd, and R.G. Cavell *"Jarosite Occurrences in the MIL 03346 Nakhilite: Implications for Water on Mars"*
- 10:40 - 11:00 Jennifer Peats\*, T. Stachel, R.A. Stern, K. Muehlenbachs, and J. Armstrong *"Aviat Diamonds: A Window into the Deep Lithospheric Mantle beneath the Northern Churchill Province"*
- 11:00 - 11:20 Karen Smit\*, Thomas Stachel, and Michael Seller *"Major and Trace Element Chemistry of Peridotitic Xenocrysts from the Victor Kimberlite, Superior Craton"*
- 11:20 - 12:00 Theodore Oramah\* and Jeremy Richards *"Opportunities and challenges for rural sustainable development based on small-scale mining in Sub-Saharan Africa: Nigeria as a case study"*

### Lunch Break

- 12:40 - 1:00 Darrin Molinaro\*, S. Gibb, and B.D.E. Chatterton *"Building a better matrix: A phylogenetic analysis of cornuproetid trilobites (Order Proetida) with implications towards proetid character selection and coding"*
- 1:00 - 1:20 Frank Forcino *"Getting more from less: Evidence that multivariate analyses require smaller sample sizes"*
- 1:20 - 1:40 Donald Wehlage\*, J. Gamon and D. Hildebrand *"Monitoring the effect of moisture regime on rangeland productivity with optical remote sensing"*
- 1:40 - 2:00 Cassidy Rankine\* and A. Sanchez-Azofeifa *"Wireless Sensing Networks in Ecological Monitoring: Improving in situ measurements of primary productivity in tropical forest environments"*

### Coffee Break

- 2:20 - 2:40 Steven Mamet\* and G. Peter Kershaw *"Looking through the wooden time machine: tree-ring investigations of terrestrial ecosystem change in the western Hudson Bay Lowlands"*

- 2:40 - 3:00 Qiang Wang\*, Xianmin Hu, Paul G. Myers, Andrew B.G. Bush *"Flow pathways through the Canadian Arctic Archipelago"*
- 3:00 - 3:20 Laura Delaguardia\*, Arjen D. Terwisscha van Scheltinga, Paul G. Myers, Andrew E. Derocher, Nick Lunn *"Modelling the sea ice seasonal cycle in Hudson Bay"*
- 3:20 - 3:40 Ben Lange\*, J. Beckers, C. Haas, S. Hendricks, C. Michel, and A. Niemi *"2010 Arctic Sea Ice Observations from International and Interdisciplinary Research Campaigns"*
- 4:30 - 5:30 Keynote Speaker - Dr. Clarke Burchfiel "Earthquakes in China: the Neotectonic-Hazards-Tectonic Connection"**
- 6:00 - 11:00 Symposium Banquet – Faculty Club**

For more information contact Hayley Pothier at [hpothier@ualberta.ca](mailto:hpothier@ualberta.ca)