3rd International Convention on

Geochemistry, Environmental Chemistry
and Atmospheric Chemistry

October 19-20, 2018 | Ottawa, Canada
### Keynote Forum

**Introduction**

**10:00-10:45**  
Title: Magnetotelluric investigation of the Colorado front range thrust fault between Castle Rock and Colorado Springs, Colorado  
Ernest Berkman, Emerald Exploration Consultants, Inc, Canada

**Panel Discussion**

**Networking & Refreshment Break 10:30-11:00 @ Foyer**

**11:00-11:45**  
Title: Ichnological evidence for bioturbation in an ancient lake at Vera Rubin Ridge, Gale Crater, Mars  
Barry E DiGregorio, University of Buckingham, England

**11:45-12:30**  
Title: Cosmic rays and clouds variations effect on the climate is insignificantly  
Habibullo I Abdussamatov, Pulkovo observatory of the RAS, Russia

**Panel Discussion & Group Photo**

**Lunch Break 12:30-13:30 @ Foyer**

**13:30-14:15**  
Title: The creation of a science data lifecycle model: The US geological survey approach  
John Faundeen, EROS Center, USA

**14:15-15:00**  
Title: Soil particles of different sizes impact the resistance of nitrite oxidizers to diverse fertilization regimes  
Wenli Chen, Huazhong Agricultural University, China

**15:00-15:45**  
Title: Remote sensing of the earth from the surface of the moon on monitoring energy budget and climate  
Habibullo I Abdussamatov, Pulkovo Observatory of the RAS, Russia

**Panel Discussion**

**Networking & Refreshment Break 15:45-16:15 @ Foyer**

**Sessions:** Geosciences | Climate Change | Remote Sensing | Applications of Remote Sensing | Green Energy | Geology | Geophysics | Environmental Geology | Petrology and Mineralogy | GIS

**Session Chair:** Ernest Berkman, Emerald Exploration Consultants, Inc., Canada  
**Session Co-Chair:** John Faundeen, EROS Center, Sioux Falls, USA

**Session Introduction**

**16:15-16:45**  
Title: Exploring the sensitivity of soil sample numbers in digital soil mapping and then choosing a suitable soil sampling plan  
Long Guo, Huazhong Agricultural University, China

**16:45-17:15**  
Title: An HSV and LBP-based method for identifying surface state  
Xiaojie Li, Northeast Institute of Geography and Agroecology, China

**Panel Discussion**

**Young Researchers Forum**

**17:15-17:45**  
Title: Himalayan Foreland basin: A perspective and Endeavours  
Vishavjeet Singh Goraya, University of Petroleum and Energy Studies, India

**Panel Discussion**
Day 2  October 20, 2018
Conference Hall: Douglas Suite

Keynote Forum

Introduction
10:00-10:45  Title: Regional geology and petroleum potential of Cuba, Florida, and the Bahama Bank utilizing public domain data  
Ernest Berkman, Emerald Exploration Consultants Inc., Canada

Panel Discussion  
Networking & Refreshment Break 10:45-11:00 @ Foyer

11:00-11:45  Title: The solar irradiance defines the climate  
Habibullo I Abdussamatov, Pulkovo observatory of the RAS, Russia

Session Chair: Ernest Berkman, Emerald Exploration Consultants, Inc., USA  
Session Co-chair: John Faundeen, EROS Center, USA

Session Introduction
11:45-12:15  Title: Empirical relationships between geomechanical parameters in one of the oil field, Persian Gulf, Southeastern Iran  
Ghafoori Mohammad, Ferdowsi University of Mashhad, Iran

Video Presentation
12:15-12:45  Title: Integrating Airborne LiDAR and Terrestrial Laser Scanner forest parameters for accurate estimation of above-ground biomass/carbon in Ayer Hitam tropical forest reserve, Malaysia  
Muluken N Bazezew, Dilla University, Ethiopia

Panel Discussion  
Lunch Break 12:45-13:45 @ Foyer

Young Research Forum
13:45-14:15  Title: Depositional environment and tectonics during the sedimentation of Jodhpur and Bilara Groups of Rocks, Marwar Supergroup of India  
Vishavjeet Singh Goraya, University of Petroleum and Energy Studies, India

14:15-14:45  Title: A simplified approach to hydraulic units' prediction with the aid of wireline logs  
Richardson Abraham-Adejumo, University of Sao Paulo, Brazil

Poster Presentations 14:45-15:45
Poster Judge: John Faundeen, EROS Center, USA

P 01  Title: Towards the selection of an optimal global geopotential model for the computation of the long-wavelength contribution: A case study of Ghana  
Caleb Iddissah Yakubu, Hohai University, China

P 02  Title: Research and implementation of a universal workflow model to evaluate the soil fertility based on OGC Web Services  
Jiaying Chen, Huazhong Agricultural University, China

P 03  Title: Cloud service platform system of county-scale remote sensing information products based on high-resolution satellite images  
Longfang Duan, Yongtao Jin, North China Institute of Aerospace Engineering, China

P 04  Title: Geological and geochemical characteristics of the Triassic Chang 7 lacustrine source rocks, Ordos Basin, China: Implications for paleoenvironment, organic matter source, petroleum potential and tight oil occurrence  
Ruofu Liu, University of Petroleum, China

P 05  Title: Exploring radiative transfer model inversion of canopy properties of oilseed rape by numerical optimization based on simulation and field experiments  
Shanqin Wang, Huazhong Agricultural University, China

P 06  Title: Gas hydrates: A major energy resource of India for the next generation  
Vishavjeet Singh Goraya, University of Petroleum and Energy Studies, India

Panel Discussion  
Networking & Refreshment Break 15:45-16:15 @ Foyer

Thanks Giving & Closing Ceremony