

WORLD CONGRESS ON GEOLOGY & EARTH SCIENCE

July 09 - 11, 2020 at (IPCITYHOTEL Osaka) Osaka, Japan

Tentative Scientific Program

Day-1 July 09, 2020

08:00 - 08:00 **Registrations**

09:00 - 09:30 **Opening Ceremony**

TIME	TOPIC	SPEAKERS
Keynote Forum (09:15 - 10:25)		
09:30 - 10:05	Title: Getting big in the Archean	Stanley M. Awramik, <i>University of California, USA</i>
10:05 - 10:40	Title: Effect of Hydraulic Properties on the Formation of Mineral Deposits: Insight from Reactive Mass Transport Modelling	Jianwen Yang, <i>University of Windsor, Canada</i>
10:40 - 11:15	Title: Geochemical study of the giant Bayan Obo Fe-REE-Nb ore deposit, Inner Mongolia (Northern China): A clue to its genesis	Xiaoyong Yang, <i>University of Science and Technology of China, China</i>
GROUP PHOTO		
Coffee Break (11:15 - 11:30)		
Technical Sessions		
11:30 - 11:50	Title: The European H2020 Projects Cheap-GSHPs & GEO4CIVHIC: Innovative coaxial heat exchangers for shallow geothermal installations	Luc Pockelé, <i>RED SRL, Italy</i>
11:50 - 12:10	Title: Pn tomography and Anisotropy Study of the Central United States	Urbi Basu, <i>Exxonmobil Services & Technology Private Limited, India</i>
12:10 - 12:30	Title: Borosilicates in high-pressure and ultra-high-pressure lithologies	Andreas Ertl, <i>Institut für Mineralogie und Kristallographie, Geocenter, Austria</i>
12:30 - 12:50	Title: H2020 Project GEO4CIVHIC: Innovative Applications for shallow geothermal installations	Giulia Mezzasalma, <i>RED SRL, Italy</i>
Lunch Break (13:00 - 14:00)		
Technical Sessions		
14:00 - 14:20	Title: Geochemical method of early diagnostics of nucleation and evaluation process of strong Earthquakes	Armen Kazarian, <i>Geosurfer, USA</i>

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14:20 - 14:40	Title: The Forecasting, Assessment and Management of Natural and Technogenic Geodynamic Risks (on Example of Exploitation of oil-and-gas Deposit)	Natalia A. Kasyanova, <i>Sergo Ordzhonikidze Russian State University Geological Prospecting, Russia</i>
14:40 - 15:00	Title: Groundwater Depletion: The Unintended Consequence of Surface Water Trade	Hao Zhao, <i>University Paris East, France</i>
15:00 - 15:20	Title: Relationship between geology and old worship sites in mountain areas of Japan	Norihito Kawamura, <i>University of Hyogo, Japan</i>
15:20 - 15:40	Title: Delineating the Source of Lead in the Urban Atmospheric Dust Based on Stable Isotopic Ratio: A Case Study from Panzhihua City of Southwest China	Yi Huang, <i>Chengdu University of Technology, China</i>

Coffee Break (15:40 - 15:50)

15:50 - 16:10	Title: Air Quality Modeling with Urban WRF-Chem system over a high altitude tropical City	J. Miguel Noyola Poblete, <i>Universidad Nacional Autónoma de México, México</i>
16:10 - 16:30	Title: Three-dimensional distribution of aeolian desert dust revealed by IASI thermal infrared satellite measurements	Juan Cuesta, <i>University Paris East, France</i>
16:30 - 16:50	Title: Crustal-Cover Structuring and Geodynamics of Halokinetic Tranfert Magin in Northeastern African Plate: Eastern Tunisia and Pelagian Block	Mourad Bédir, <i>University of Carthage, Tunisia</i>



Tentative Scientific Program

Day-2 July 10, 2020

Keynote Forum

09:30 - 10:05	<p>Title: Seismic tomographic research of the Lithosphere beneath Australia, North and South America, China, Finland, Antarctica, Africa and India. How does this impact on the surface geology, mineralization and the mechanism of plate tectonics</p>	<p>Robert (Bob) Bingley Watchorn, <i>Independent Geoscience Researcher, Australia</i></p>
<p>**Keynote Slots Available**</p>		

Coffee Break (11:15 - 11:30)

Technical Sessions

11:30 - 11:50	<p>Title: Metallogeny of gold in the Western Altai-Sayan folded area</p>	<p>Alexandr Chernykh, <i>Central Geological Research Institute of Base and Precious Metals (TsNIGRI), Russia</i></p>
11:50 - 12:10	<p>Title: Dynamic response around a circular tunnel subjected to P-wave scattering</p>	<p>Huatao Zhao, <i>Kyoto University, Japan</i></p>
12:10 - 12:30	<p>Title: Role of Biotechnology in Water Science for Future generations</p>	<p>Robert William Raj. A., <i>Symbiotec Pharamlab Pvt. Ltd, India</i></p>
12:30 - 12:50	<p>Title: Vulnerability Assessment of Groundwater to Contamination Using Electrical Resistivity Method at the Open Dumpsite in Gosa, Abuja, Nigeria</p>	<p>Abdulsalam N. Nasir, <i>University of Abuja, Nigeria</i></p>
12:40 - 13:00	<p>Title: Mitigating the Algorithmic Non-Uniqueness in Nonlinear Least Squares Objective Function by Gramian Constraints</p>	<p>Jide Nosakare Ogunbo, <i>Seoul National University, South Korea</i></p>
<p>**Speaker Slots Available**</p>		

Lunch Break (13:00 - 14:00)

Poster Presentations (14:00 - 15:00)

Geoscience 01	<p>Title: Landslide and Liquefaction Vulnerability Analysis Using Risk Assessment Analysis and Analytic Hierarchy Process. Implication: Suitability of the New Capital of the Republic of Indonesia on Borneo Island</p>	<p>Rifaldy, <i>Pertamina University, Indonesia</i></p>
Geoscience 02	<p>Title: Dynamic evolution and differences of ecological carrying capacity in Typical Karst rocky desertification Counties: A Case Study in Northwestern Guangxi, China</p>	<p>Binggeng Xie, <i>Hunan Normal University, China</i></p>
Geoscience 03	<p>Title: Relocation of the 1982 Miramichi (New Brunswick, Canada) aftershock sequence using a master-event method</p>	<p>Dariush Motazedian, <i>Carleton University, Canada</i></p>
Geoscience 04	<p>Title: Geological Properties of the San Juan Coal Field (Cerrejon Formation, Guajira, Colombia)</p>	<p>Ilker Senguler, <i>Yildirim Group of Companies / Yilmaden Holding, Turkey</i></p>

**Geoscience
05**

Title: Unexpected far-field hydrological response to a great earthquake

Yan Zhang,
*Institute of Geology and Geophysics,
China*

****Poster Slots Available****

Technical Sessions

15:00 - 15:20

Title: The Blake Bahama Escarpment Abyssal Giant Pockmarks: Evidences For Structurally-Controlled Fluids Circulation At Carbonate Platform Scale

Thibault Cavailles,
*Université de Bordeaux-CNRS,
France*

15:20 - 15:40

Title: Geotechnical Design, Construction and Monitoring of Tailings Dams – Tailings Impoundment Failure Prevention

Farzad Daliri,
*Geotechnical/Tailings Engineer,
Thurber Engineering Ltd, Canada*

15:40 - 16:00

Title: Mitigating the Algorithmic Non-Uniqueness in Nonlinear Least Squares Objective Function by Gramian Constraints

Jide Nosakare Ogunbo,
*Seoul National University, South
Korea*

Coffee Break (16:00 - 16:10)

Technical Sessions

16:10 - 16:30

Title: Cause of Initiation of Thermokarsts in the Arctic as a Result of Permafrost Degradation

Debasmita Misra,
University of Alaska Fairbanks, USA

16:30 - 16:50

Title: Splintex 2.0: a physically-based model to estimate $\theta(h)$ and $K(\theta)$ parameters without calibration need from soil physical properties

Robson André Armindo,
Federal University of Lavras, Brazil

16:50 - 17:10

Title: Multiresolution and wavelet coherence analysis of inter-annual to interdecadal streamflow variability at the Inn catchment and dominant large-scale climate indices

Teresa Pérez Ciria,
University of Innsbruck, Austria

****Speaker Slots Available****



Tentative Scientific Program Day-3 July 11, 2020

Technical Sessions

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| 09:30 - 09:50 | Title: Earthquake History in Azerbaijan and Contemporary Days: Challenges Ahead | Gulam Babayev,
<i>Azerbaijan National Academy of Sciences, Azerbaijan</i> |
| 09:50 - 10:10 | Title: Long-term variations in sea level fluctuations and currents in the Baltic Sea | Jan Jędrasik,
<i>University of Gdańsk, Portugal</i> |
| 10:10 - 10:30 | Title: Paleo-hydrogeological reconstruction of the fresh-saline groundwater distribution in the Vietnamese Mekong Delta since the late Pleistocene | Van Hung Pham,
<i>DWRPIS, Vietnam</i> |
| 10:30 - 10:50 | Title: Tectono-Stratigraphic Modelling: A case study of South Lake Albert Basin, Albertine Rift, Western Uganda | Tumushabe Wilson Mbile,
<i>Makerere University, Uganda</i> |
| 10:50 - 11:10 | Title: Integrating ARMAX with a Multi-objective Genetic Algorithm to optimize typhoon inundation forecast models for a water-level gauging network | Huei-Tau Ouyang,
<i>National Ilan University, Taiwan</i> |

****Speaker Slots Available****

Lunch Break (12:30 -13:30)

Panel Discussions

Thanks giving & Closing Ceremony

