

5<sup>th</sup> International Conference on

# GEOLOGICAL AND ENVIRONMENTAL SUSTAINABILITY

AUGUST 13-14, 2018 BALI, INDONESIA



GEOLOGY CONGRESS 2018

**Conference Series llc Ltd**

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09:00-09:30

Registration Opens

## Kanaka

09:30-10:00

Opening Ceremony

Introduction

10:00-10:50

Keynote Presentation

**Title: Grain-scale modelling of highly swelling granular materials****S Majid Hassanizadeh**, Utrecht University, The Netherlands

10:50-11:10

Networking and Refreshments Break with Group Photo

11:10-12:00

Keynote Presentation

**Title: Exploitation of mining wastes by physical technologies coupled with hydrometallurgical operations to develop sustainable processes****Francesco Vegliò**, University of L'Aquila, Italy

Sessions: **Geological & Environmental Sustainability | Soil Exploration & Mining Engineering | Structural Geology | Environmental Geology | Geological Hazard Assessments | Remote Sensing of Environment | Geo-Technical Engineering**

Session Chair: **S Majid Hassanizadeh**, Utrecht University, The NetherlandsSession Co-Chair: **Francesco Vegliò**, University of L'Aquila, Italy

12:00-12:25

**Title: Hydrogen, methane and coke production from pyrolysis of bituminous and recycling plastic mixtures****Ahmed A Melegy**, National Research Centre, Egypt

12:25-12:50

**Title: Ground water yeild improvement by hydrofracturing techniques-A case study from crystalline hard rock terrain****G R Senthil Kumar**, Annamalai University, India

12:50-13:15

**Title: Kinematic analysis of elephant rock section, NH-44A, Aizawl, Mizoram, India****Rahul Verma**, Botswana International University, Botswana

Lunch Break 13:15-14:00 @ Restaurant

## Workshop

14:00-15:00

**Title: A new approach for handling flares gas****Garry Kolafa**, University of Miami, US

15:00-15:25

**Title: InSAR data detect ground deformation at the Rabaul Volcano, Papua New Guinea – Root Plumbing model for a shallow dyke intrusion****Manoj Mukhopadhyay**, University of Technology, Papua New Guinea

15:25-15:50

**Title: Physico-Chemical nurture of soil texture procedure for identification of Indian tropical Soils****T Benarji Patrudu**, GITAM University, India

Networking and Refreshments Break 15:50-16:05

16:05-16:30

**Title: Application of geophysical techniques in mineral exploration for potential sulphide deposits in Musina area****Milton Obote Kataka**, University of Venda, South Africa

16:30-16:55

**Title: The probability of a large Earthquake in Tehran, fact or faked****Pedram Rafiee**, Dana Energy Company, Iran

Panel Discussion

Tuesday 14<sup>th</sup> August 2018

Day 2

## Kanaka

10:00-10:50

Keynote Presentation

**Title: Current and future trends in environmental geochemistry and health**

**Ahmed A Melegy**, National Research Centre, Egypt



Networking and Refreshments Break 10:50-11:10

11:10-12:00

Keynote Presentation

**Title: Micro-zonation of landslide hazards: A case study of Aizawl city and Lengpui airport road section, Mizoram, India, using geo-informatics**

**Rahul Verma**, Botswana International University, Botswana



## Workshop

12:00-13:00

**Title: Application of zinc oxide nanoparticles as catalyst in dissipation kinetics of imidacloprid insecticide in different pH water and Soil under direct sunlight**

**T Benarji Patrudu**, GITAM University, India

Lunch Break 13:00-13:45 @ Restaurant

Sessions: Hot Topics in Mining Engineering | Gas Reservoirs and Mineral Resources | GIS & Remote Sensing | Soil and Rock Mechanics | Petroleum Geology

Session Chair: **Manoj Mukhopadhyay**, University of Technology, Papua New Guinea

13:45-14:10

**Title: The need of sustainable mitigation against the large amount of tephra deposits of Mount Batur Bali, Indonesia**

**Igan S. Sutawidjaja**, University of Padjadjaran, Indonesia

14:10-14:35

**Title: Forest covers upgradation and degradation in Maharashtra state: A statistical analysis**

**Deepak Kambale**, Vivekanand College, India

## Workshop

14:35-15:35

**Title: Future of environment in the eyes of Islamic World**

**Ahmed A Melegy**, National Research Centre, Egypt

Poster Presentations @ 15:35 - 16:00

GES-01

**Title: Gas occurrence and accumulation characteristics of Cambrian- Ordovician Shales in the Tarim Basin, Northwest China**

**Luofu LIU**, China University of Petroleum (Beijing), China

GES-02

**Title: Reconstruction last apperance fossil for carbonate reservoirs surrounding Wrench fault zone of RMKS, Sakala Sub-basin, East Java Basin, Indonesia**

**Mill Sartika Indah**, Fungsi Geologi, Upstream Technology Center, PT.Pertamina Persero, Indonesia

Panel Discussion