



Special Event : Hydrocarbon Exploration

28-29 June 2022, 14.00 WIB (UTC+7)

Open to Public

Registration : https://bit.ly/Regist_Hydrocarbon2022

Platform :



Coordinator

Dr. rer. nat. Widodo

*Applied Geophysics and Exploration Research group, ITB
Division Commite Member Representing the Region of Asia Indonesia*



Opening Speech

Prof. Ir. Ridho Kresna Wattimena, MT., Ph.D. IPU.

Dean of Faculty of Mining and Petroleum Engineering, ITB



Assoc. Prof. Dr. Ute Weckmann

Chair, IAGA Division VI , Electromagnetic Induction in The Earth and Planetary Bodies

Moderator



Dr. Ir. Agus Laesanpura, MS.
ITB, Indonesia



Sevi Maulinadya Prawita, S.T., M.T.
CGG



Adhi Widyantoro
Pertamina Hulu Energi

Speakers

Session 1 : 28 June 2022

Peter M. Duncan, Phd

*Former President SEG 2003 - 2004 and CEO Microseismic, USA
Hydraulic Fracture Monitoring in Unconventional Fields: is microseismic enough or is there a place for EM methods?*



Prof. Djoko Santoso

*ITB, Indonesia
Future Opportunity to Reduce CO2 Emission in Indonesia by CCS/CCUS*

Dr. Kurt Strack

*KMS Technologies, USA
An overview of 4 decades of trying to combine seismic and EM starting at 1981 and where we are going in the future (monitoring and why)*

Prof. Pantelis Soupios

*KFUPM, Kingdom of Saudi Arabia
The fluid monitoring using joint EM and Seismic Methods*

Prof. Sigit Sukmono

*ITB, Indonesia
Seismic deep water hydrocarbon explorations: challenges and potentials*

Prof. Zhanxiang He

*Southern University of Science and Technology, China
Hydrocarbon exploration using EM methods*

Dr. Dikun Yang

*Southern University of Science and Technology, China
Application of EM in geological mapping and hydrocarbon resource exploration*



Session 2 : 29 June 2022

Prof. Awali Priyono

*ITB, Indonesia
Influence of near-surface conditions on seismic imaging for hydrocarbon exploration*



Prof. Diqun Li

*Central South University, China
Gas and oil exploration using EM methods*



Dr. Zhijun Du

*Ocean University of China, China
Joint EM and seismic methods for hydrocarbon exploration and CO2 monitoring*



Prof. Liangjun Yan

*Yangtze University, China
Hydrocarbon exploration using EM methods*



Ignastius Sonny Winardhie, Ph.D.

*ITB, Indonesia
Application of Full Waveform Inversion (FWI) and its integration to Reflection Seismic Data in Oil/Gas Exploration*



Prof. Zhengyong Ren

*Central South University, China
A parallel adaptive finite-element approach for 3D realistic controlled-source electromagnetic problems using hierarchical tetrahedral grids*



Contact: Rheza (WA: 081381588620)

Elis (WA: 082175906892)

Patria (WA: 085232771950)



Schedule

Special Event: Joint Electromagnetic (EM) and Seismic Methods for Hydrocarbon Exploration

28-29 June 2022

Session 1 : 28 June 2022

Session 2 : 29 June 2022

WIB Time (UTC+7)	Lecture Topic	Lecturer	WIB Time (UTC+7)	Lecture Topic	Lecturer
14.10-14.55	Future Opportunity to Reduce CO2 Emission in Indonesia by CCS/CCUS	Prof. Djoko Santoso <i>ITB, Indonesia</i>	14.10-14.55	Influence of near-surface conditions on seismic imaging for hydrocarbon exploration	Prof. Awali Priyono <i>ITB, Indonesia</i>
15.30-16.15	An overview of 4 decades of trying to combine seismic and EM starting at 1981 and where we are going in the future (monitoring and why)	Dr. Kurt Strack <i>KMS Technologies, USA</i>	15.30-16.15	Gas and oil exploration using EM methods	Prof. Diquan Li <i>Central South University, China</i>
16.20-17.05	The fluid monitoring using joint EM and Seismic Methods	Prof. Pantelis Soupios <i>KFUPM, Kingdom of Saudi Arabia</i>	16.20-17.05	Joint EM and seismic methods for hydrocarbon exploration and CO2 monitoring	Dr. Zhijun Du <i>Ocean University of China, China</i>
17.10-17.55	Hydrocarbon exploration using EM methods	Prof. Zhanxiang He <i>Southern University of Science and Technology, China</i>	17.10-17.55	Hydrocarbon exploration using EM methods	Prof. Liangjun Yan <i>Yangtze University, China</i>
18.30-19.15	Seismic deep water hydrocarbon explorations: challenges and potentials	Prof. Sigit Sukmono <i>ITB, Indonesia</i>	18.30-19.15	Application of Full Waveform Inversion (FWI) and its integration to Reflection Seismic Data in Oil/Gas Exploration	Ignastius Sonny Winardhie, Ph.D. <i>ITB, Indonesia</i>
19.20-20.05	Application of EM in geological mapping and hydrocarbon resource exploration	Dr. Dikun Yang <i>Southern University of Science and Technology, China</i>	19.20-20.05	A parallel adaptive finite-element approach for 3D realistic controlled-source electromagnetic problems using hierarchical tetrahedral grids	Prof. Zhengyong Ren <i>Central South University, China</i>
20.10-20.40	Hydraulic Fracture Monitoring in Unconventional Fields: is microseismic enough or is there a place for EM methods?	Peter M. Duncan, PhD <i>Former President SEG 2003 - 2004 and CEO Microseismic, USA</i>			



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