

**Geophysics for Engineering & Environment: from theory to practical applications**

No.	Date & time	Topic	Instructors
<b>1<sup>st</sup> week: September 6-10</b>			
1	Monday, 6 September 13:00-15:00 WIB	Introduction to Engineering & Environmental Geophysics: problems & solutions with case studies in Indonesia	Prof. Djoko Santoso, Institut Teknologi Bandung
	15:00-17:00 WIB	Impact of near-fault pulse-like ground motions on buildings - case study in Taiwan	Ass. Prof. Chun-Hsiang Kuo National Central University, Taiwan
2	Tuesday, 7 September 13:00-15:00 WIB	Pre-earthquake processes and its impact on environments	Prof. Katsumi Hattori, Chiba University, Japan
	19:00-21:00 WIB	Geo-electromagnetics for engineering and environment	Dr. Widodo, Institut Teknologi Bandung
3	Wednesday, 8 September 13:00-15:00 WIB	Meteorological Satellite for Weather Observation	Prof. Atsushi Higuchi, Chiba University, Japan
	19:00-21:00 WIB	Applied geophysics for environment	Assoc. Prof. Budi Sulistijo Institut Teknologi Bandung
4	Thursday, 9 September 13:00-15:00 WIB (Mod: WWP, Doc: RFA/HMT)	Environmental Remote Sensing	Prof. Josaphat Tetuko S. S., Chiba University, Japan
	19:00-21:00 WIB	The Use of geophysical technology for building of water resources infrastructure	Prof. Dr. Ir. Eko Winar Irianto, MT Kementerian PUPR
5	Friday, 10 September 13:00-15:00 WIB	Aviation Turbulence on Indonesia and The Relationship to Himawari-8 Weather Satellite Imagery	Muhammad Arif Munandar, Ms. Rui Song PhD student, Chiba University
	19:00-21:00 WIB	Fracture identification & characterization	Dr. Alfend Rudyawan, Institut Teknologi Bandung

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No.	Date & time	Topic	Instructors
2 <sup>nd</sup> week: September 13-17			
6	Monday, 13 September 13:00-15:00 WIB	Radon survey for geothermal prospecting and active fault monitoring	Prof. Katsuaki Koike Kyoto University, Japan
	19:00-21:00 WIB	Slope stability analysis: theory and its application in geotechnical engineering	Prof. Wayan Sengara, Institut Teknologi Bandung
7	Tuesday, 14 September 13:00-15:00 WIB	Geothermal exploration and active fault study by using electromagnetic method	Prof. Tada-nori Goto, University of Hyogo, Japan
	19:00-21:00 WIB	Soil Stabilization process using bioagent and its monitoring using geophysical method	Dr. Sina Saneiyani, University of Oklahoma, USA
8	Wednesday, 15 September 13:00-15:00 WIB	Groundwater Analysis Based on Geophysical Data for Engineering and Environment	Dr. Darharta Dahrin Institut Teknologi Bandung
	19:00-21:00 WIB	Introduction to FEM for slope stability analysis	Dr. Dedi Apriadi, Institut Teknologi Bandung
9	Thursday, 16 September 13:00-15:00 WIB	Towards unique subsurface imaging by multi-physics joint inversion of geophysical data	Prof. Jide Ogunbo, Seoul National University, South Korea
	19:00-21:00 WIB	Ni Hyperaccumulator plants: Challenges and Prospects	Prof. Satria Bijaksana Institut Teknologi Bandung
10	Friday, 17 September 13:00-15:00 WIB	To be determined	Dr.rer.nat. Wahyudi, W. Parnadi, Dr. Indra Gunawan
	19:00-21:00 WIB	To be determined	

Note: WIB: Western Indonesia Time (GMT +7)