



Nepal Geotechnical Society

National Seminar

“Geotechnical Challenges in Proposed Mega Projects of National Pride”

19 November 2018 (Monday)
Hotel Himalaya, Lalitpur (Kathmandu)

Program

08:00	Registration starts	@Himalaya Hall
09:00 – 09:45 Opening Program		MC: Er. Kalpana Subedi
09:00	<ul style="list-style-type: none">Dais invitationWelcome and Introductory Address (Er. Tuk Lal Adhikari, Chair, Organizing Committee)Program Inauguration (Chief Guest)NGS a brief introduction (Dr. Indra Prasad Acharya, Vice President)Chief Guest's RemarksRemarks of Guest of HonorMessage from Japanese Geotechnical SocietyClosing Remarks: Program Chair (Netra Prakash Bhandary, President)	Chief Guest: Honorable Barsha Man Pun, Minister for Energy, Water Resources and Irrigation Guest of Honor: Prof. Ryuichi Yatabe, Ehime University Guest: Prof. Mitsu Okamura, Japanese Geotechnical Society
09:45	Memorial Group Photo	
09:50	Tea/Coffee	
10:10 – 12:00 Guest Lecture Session		Chair: Netra Prakash Bhandary
10:10	Keynote Lecture: Uncertainties in Evaluation of Soil Liquefaction Potential for Kathmandu	Prof. Mitsu Okamura (Geotechnical Engineering Laboratory), Ehime University, Japan
11:00	Invited Lecture I: Fundamentals of Roadway Tunneling and Development of Underground Spaces in Urban Areas	Dr. Naoki Kinoshita, (Rock Mechanics Laboratory) Ehime University, Japan
11:30	Invited Lecture II: Geotechnical Challenges of Mega Projects: Role of a Geotechnical Engineer	Er. Naresh Koirala, NoDigSolutions, Principal, Vancouver, Canada
12:00 – 13:10 Lunch Break		
13:10 – 15:10 General/Youth Presentation Session		Chair: Indra Prasad Acharya
13:10	Paper 1: Soft Soil Stabilization with Alkali Activated Sugarcane Bagasse Ash	Er. Jeevan Rana Magar & Dr. Indra Prasad Acharya, Institute of Engineering
13:25	Paper 2: Assessment of Liquefaction Potential Index along Bardibas-Inaruwa Railway Project	Er. Narayan Panthi & Dr. Indra Prasad Acharya, Institute of Engineering
13:40	Paper 3: Comparison of grid cells and slope units as mapping unit for landslide susceptibility analysis: A case study from Uttargaya municipality, Rasuwa district, Nepal	Badal Pokharel (Eng. Geology), Tribhuvan University Trichandra Campus
13:55	Paper 4: Assessment of Liquefaction Potential Hazard at Different Shaking Level in Dhanusha District	Er. Sanjiv Kumar Sah, Student, IoE Thapathali Campus
14:10	Paper 5: Design of Tunnel Support System: Shotcrete versus Rock Bolts in Middle Modi Hydroelectric Project (MMoHP)	Er. Milan Paudel (SDE), Sunkoshi Marin Diversion Multipurpose Project
14:25	Paper 6: Microtremor observation in Bhaktapur	Er. Amit Prajapati, Khwopa

	Municipality	Engineering College
14:40	Paper 7: Ground investigation program for assessing and mitigating geotechnical risk in large hydroelectric projects	Subrat Subedi, Dr. Mohan Prasad Acharya, Prakash Man Shrestha, Yagendra Thapa, & Nawin Acharya, NEA Engineering Company (NEC) Limited
14:55	Paper 8: Ultrasonic Wave Reflection method for predicting residual tension of ground anchors	Dr. Surendra Tamrakar, Kantipur Engineering College & Tomoki Shiotani, Kyoto University, Kyoto, Japan
15:10 – 15:30 Tea/Coffee Break		
15:30 – 17:30 Special Lecture Session		Chair: Gangalal Tuladhar
15:30	Special Lecture I: Rock fall hazard and its protection system in Nepal	Dr. Ranjan K. Dahal, Tribhuvan University
15:50	Special Lecture II: Geotechnical Challenges in Upper Tamakoshi Hydroelectric Project 456 MW, Dolakha Nepal	Er. Sanjib Sapkota, Upper Tamakoshi Hydropower Limited & Er. Jyoti Kumar KC, JV Norconsult AS-Lahmeyer International GmbH
16:10	Special Lecture III: Detail Design of Nagdhunga Tunnel Road	Er. Ramesh Koirala, Nippon Koei Co. Ltd. & Dr. Vishnu Dangol, ICGS Pvt. Ltd.
16:20	Special Lecture IV: Tunnel design, problems and remedies: Melamchi Diversion Tunnel	Dr. Pawan Kumar Shrestha & Er. Bhoj Bikram Thapa (Deputy Executive Director), Melamchi Water Supply Development Board
16:40	Special Lecture V: Dealing with challenges of Tunnel Boring Machine (TBM) Tunneling in Himalayan Geology: Case study of Bheri Babai Diversion Multipurpose Project	Er. Sanjeeb Baral, Project Director, Bheri Babai Diversion Project & Er. Ajay Raj Adhikari, Senior Divisional Hydrogeologist
17:00	Discussion (Q&A time)	
17:30 – 18:00 Closing Session		MC: Er. Kalpana Subedi Guest: TBC
	<ul style="list-style-type: none"> • Dais sitting • Program introduction: • Presentation of Letter and Token of Honor/Appreciation and Certificate of Honor • Vote of Thanks: NGS Vice President • Closing Remarks: NGS President 	
18:10	Interactive Dinner (Until 21:00)	

Instructions to all presenters:

1. The presentation time will be strictly managed, so please follow the time limits.
2. The keynote lecture is 50 minutes including a 5-7-minute question/answer time.
3. The invited lectures are 30 minutes each including a 5-minute question/answer time.
4. All special lectures are 20 minutes with a total of 30-minute discussion time in the end.
5. All general/youth presentations are 15 minutes including 3-5-minute question/answer time.