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# GEOMATE Program



## THE 13th INTERNATIONAL CONFERENCE ON Geotechnique, Construction Materials & Environment

14-16 November 2023 Hotel Tsu Center Palace  
Tsu City, Mie, Japan



Edited by  
Prof. Zakaria Hossain



GEOMATE 2023 - The 13th International Conference on Geotechnique, Construction Materials and Environment, from 14-16 November 2023, Tsu, Mie, Japan.

## **Welcome Participants**

Welcome to the GEOMATE 2023 - The Thirteenth International Conference on Geotechnique, Construction Materials and Environment, GEOMATE 2023, Tsu, Mie, Japan, organized by The GEOMATE International Society and Mie University Research Center for Environmental Load Reduction, Japan.

We would like to thank you for your participation, especially the authors who have submitted interesting and important papers, with most of them here to share their valuable experiences with fellow participants. We appreciate the contribution of session chairpersons, conference advisors, and all those who have helped in one way or another to make this conference a success.

The Secretariat desk has been set up to serve you and ensure you participate actively in the deliberations. Please get in touch with any secretariat staff for any assistance you may require during these three days of the conference.

Please wear your name badge at all times during the conference and the associated events, as it will create a friendlier atmosphere where fellow participants can address you by your name. This will also serve as an identification for your participation in the conference activities.

Kindly identify all materials and documentation handed to you or sent by post with your name so that we can return them to you if you have inadvertently forgotten to take them with you. Please regularly check the CONFERENCE WEBSITE and NOTICE BOARD for program changes and announcements.

On behalf of the organizing committee, we invite you to stay on after the conference to enjoy discussions, sights of Tsu City, Mie Prefecture, and the nearby places of interest.

Yours Sincerely,

Professor Dr. Zakaria Hossain  
Conference Chairman

14 November 2023

# GEOMATE 2023 Program Summary with ID

## Day 1: Tuesday, 14 November 2023

**1500-1800** Registrations

**1800-1900** Welcome Cocktails

**1900-2000** Special Dinner for Keynote Speakers

## Day 2: Wednesday, 15 November 2023

"All meeting times are in Japan time."

**0830-1700** Registration

**0900-0910** Opening and Welcome Address

Welcome address by Prof Zakaria Hossain

**0910-1010** Keynote Session

**Chair:** Dr. John Smith

**Speaker:** Prof. Toshinori Sakai

**Title:** BREAKAGE PROPERTIES OF GROUND ANCHORS UNDER BENDING DEFORMATION

**Speaker:** Prof. Satoshi Kaneco

**Title:** PHOTOCATALYTIC HYDROGEN PRODUCTION FROM AQUEOUS OXALIC ACID SOLUTION

**1010-1030: Morning Refreshments**

<b>1030-1130 Oral Session 1</b> <b>Chair:</b> Prof. Orlean Dela Cruz g13131, g13145, g13148, g13150, g13152, g13418 <b>1130-1230 Oral Session 3</b> <b>Chair:</b> Dr. Hamidou Hamadoum Tamboura g13154, g13161, g13163, g13164, g13167, g13168	<b>1030-1130 Oral Session 2</b> <b>Chair:</b> Prof. Chinumani Choudhury g13151, g13198, g13232, g13242, g13249 <b>1130-1230 Oral Session 4</b> <b>Chair:</b> Prof. Daniel Nichol Valerio g13251, g13257, g13269, g13297, g13299, g13300	
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**1230-1330 Lunch**

<b>1330-1430 Oral Session 5</b> <b>Chair:</b> Prof. Kyra Kamille Toledo g13169, g13170, g13171, g13176, g13177, g13182 <b>1430-1530 Oral Session 7</b> <b>Chair:</b> Dr. Samudra Jayasekera g13185, g13197, g13200, g13204, g13207, g13212	<b>1330-1430 Oral Session 6</b> <b>Chair:</b> Dr. Chinumani Choudhury g13301, g13311, g13323, g13339, g13341, g13342 <b>1430-1530 Oral Session 8</b> <b>Chair:</b> Dr. Kasam Kasam g13346, g13381, g13394, g13407, g13424, g13120	<b>ZOOM 1: 1430-1530</b> (Oral and Poster Session) <b>Chair:</b> Prof. Matthew Travis Alcantara g13132, g13143, g13159, g13186, g13188, g13227
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**1530-1550: Afternoon Refreshments**

**Chair:** Prof. Michiko Masuda

**Poster Session-1** (hang at 1300 ~, remove at 1700) Q&A 1530

g13135, g13139, g13142, g13146, g13155, g13156, g13157, g13166

**1550-1600 Group Photo**

**1600-1620 Journal Publications Guidance (Room Oral Session 5)**

<b>1620-1720 Oral Session 9</b> <b>Chair:</b> Dr. Kristianto Kristianto g13221, g13226, g13228, g13230, g13237, g13241 <b>1720-1820 Oral Session 11</b> <b>Chair:</b> Dr. Gaoyuan Lyu g13243, g13247, g13252, g13256, g13258, g13264	<b>1620-1720 Oral Session 10</b> <b>Chair:</b> Dr. Sutasinee Intui g13122, g13140, g13141, g13149, g13172, g13352 <b>1720-1820 Oral Session 12</b> <b>Chair:</b> Prof. Vuttichai Chatpattananan g13179, g13180, g13181, g13184, g13187, g13192	<b>ZOOM 2: 1720-1820</b> (Oral and Poster Session) <b>Chair:</b> Prof. Md Aftabur Rahman g13253, g13261, g13274, g13302, g13303, g13344
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**1830-2030 Banquet & Awards Ceremony**

1830 Group Photo in Banquet Hall

1930-2030 Awards Ceremony

2030 Adjournment for the Day

# GEOMATE 2023 Program Summary with ID

## Day 3: Thursday, 16 November 2023

"All meeting times are in Japan time."

### 0830-1600 Registration

<b>0830-0930 Oral Session 13</b> <b>Chair:</b> Dr. Premalatha K g13272, g13278, g13295, g13298, g13304, g13306 <b>0930-1030 Oral Session 15</b> <b>Chair:</b> Prof. Rajiv Eldon Abdullah g13307, g13310, g13315, g13327, g13353, g13354	<b>0830-0930 Oral Session 14</b> <b>Chair:</b> Prof. Rolando Orense g13193, g13196, g13201, g13202, g13213, g13215 <b>0930-1030 Oral Session 16</b> <b>Chair:</b> Dr. Komsoon Somprasong g13218, g13225, g13235, g13246, g13255, g13260	
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### 1030-1050: Morning Refreshments

**Chair:** Prof. Joe Robert PaulLucena

### Poster Session-2 (hang at 0900~, remove at 1250) Q&A 1030

g13174, g13175, g13208, g13219, g13229, g13279, g13289

<b>1050-1150 Oral Session 17</b> <b>Chair:</b> Dr. Nurmunira Muhammad g13366, g13367, g13406, g13408, g13440, g13449 <b>1150-1250 Oral Session 19</b> <b>Chair:</b> Prof. Mohd Nazip Suratman g13262, g13266, g13268, g13285, g13288, g13292	<b>1050-1150 Oral Session 18</b> <b>Chair:</b> Prof. Mark Paulo Alcala g13294, g13308, g13309, g13317, g13324, g13371 <b>1150-1250 Oral Session 20</b> <b>Chair:</b> Dr. Ryan Ramirez g13326, g13330, g13332, g13334, g13343, g13457	<b>ZOOM 3: 1150-1250</b> (Oral and Poster Session) <b>Chair:</b> Prof. Joe Robert PaulLucena g13345, g13379, g13380, g13382, g13399, g13413, g13438
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### 1250-1350 Lunch

<b>1350-1450 Oral Session 21</b> <b>Chair:</b> Prof. Cielo Frianeza g13362, g13370, g13375, g13378, g13384, g13387 <b>1450-1550 Oral Session 23</b> <b>Chair:</b> Prof. Michiko Masuda g13348, g13452, g13453, g13454, g13455, g13460	<b>1350-1450 Oral Session 22</b> <b>Chair:</b> Prof. Radim Cajka g13392, g13398, g13411, g13430, g13431, g13331 <b>1450-1550 Oral Session 24</b> <b>Chair:</b> Dr. Zulfa Hanan Ashaari g13441, g13369, g13368, g13459, g13458, g13461	<b>ZOOM 4: 1350-1450</b> (Oral and Poster Session) <b>Chair:</b> Dr. Nurmunira Muhammad g13425, g13427, g13428, g13442, g13325, g13447, g13153
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### 1550-1610: Afternoon Refreshments

**Chair:** Dr. Kusno Kamil

### Poster Session-3 (hang at 1300 ~, remove at 1700) Q&A 1630

g13291, g13296, g13313, g13390, g13404, g13405, g13437

### 1610-1630 Journal Publications Guidance (Room Oral Session 5)

### 1630-1640 Closure of Conference, Group Photo

## Day 4: Friday, 17 November 2023

### 1300-1700 Technical Tour

# GEOMATE 2023 – PROGRAM DETAILS

Day 1: Tuesday, 14 November 2023 Onsite only	
1500-1800	Registrations Onsite Only
1800-2000	Welcome Dinner
Day 2: Oral Sessions - Wednesday, 15 November 2023	
All online & onsite meeting times are in Japan time.	
0830-1700	<b>Registration</b>
0900-0910	<b>Opening and Welcome Address</b> 09:00-09:10 Welcome address by Professor Dr. Zakaria Hossain, Mie University, Japan
0910-1000	<b><u>0910-1010 Keynote Session</u></b>  <b>Chair:</b> Dr. John Smith <b>Speaker:</b> Prof. Toshinori Sakai <b>Title:</b> BREAKAGE PROPERTIES OF GROUND ANCHORS UNDER BENDING DEFORMATION <b>Speaker:</b> Prof. Satoshi Kaneco <b>Title:</b> PHOTOCATALYTIC HYDROGEN PRODUCTION FROM AQUEOUS OXALIC ACID SOLUTION
1010-1030	<b>Morning Refreshments</b>
Day 2: Oral Sessions - Wednesday, 15 November 2023	
All online & onsite meeting times are in Japan time.	
1030-1130	<b><u>1030-1130 Oral Session 1 Wednesday, 15 November 2023</u></b>  <b>Chair:</b> Prof. Orlean Dela Cruz g13131, g13145, g13148, g13150, g13152, g13418  g13131 THE SHEAR STRENGTH OF EXPANSIVE SOIL STABILIZED WITH AGRICULTURAL WASTES UNDER VARIOUS CURING METHODS Mary Ann Adajar, Earl Matthew Gallardo, Hans Kenneth Garcia, Shean Berwin Gonzales, and Jeffrey Christian Phi  g13145 LESSON LEARNED FROM CIANJUR EARTHQUAKE (DISASTER): CASE STUDY EVALUATION ON NEW ACTIVE FAULT IN WEST JAVA AND DISASTER MITIGATION FOR ROAD AUTHORITIES Fahmi Aldiamar, Desyanti and Muhammad Rizaldi Nuraulia  g13148 A CASE STUDY ON THE EFFECTIVENESS OF DEEP WELLS IN LANDSLIDE COUNTERMEASURES Takeshi Kusumoto and Toshinori Sakai  g13150 STUDY ON MANAGEMENT VALUES OF FREEWAY SLOPES CONSIDERING ANCHOR RESIDUAL PRELOADS BY NUMERICAL SIMULATION METHOD Chia-Yun Wei, Pin-Lun Chen, Sao-Jeng Chao and Hao Yang  g13152 PREDICTION OF GEOTECHNICAL SURVEY RESULTS USING MACHINE LEARNING WITH BAGGING Yuxin Cong and Shinya Inazumi  g13418 COHESIVE SOIL BEHAVIOR UNDER CYCLIC LOADING IN UNDRAINED CONDITIONS Andrzej Głuchowski and Wojciech Sas

# GEOMATE 2023 – PROGRAM DETAILS

1030-1130	<p><b><u>1030-1130 Oral Session 2 Wednesday, 15 November 2023</u></b></p> <p><b>Chair: Prof. Chinumani Choudhury</b> g13151, g13198, g13232, g13242, g13249</p> <p>g13151 CONSIDERATION OF AIRCRAFT LATERAL WANDER IN AIRPORT PCI ANALYSIS THROUGH VARIATION OF SAMPLE AREA Aris Wibowo, Bambang Sugeng Subagio, Harmein Rahman and Russ Bona Frazila</p> <p>g13198 DEVELOPMENT OF AUTOMATIC DENSITY MEASUREMENT SYSTEM FOR SOIL SUSPENSION Hidetake Matsui, Noriyuki Yasufuku, Tadafumi Fujiwara and Hiroki Ikegami</p> <p>g13232 STUDY ON THE EFFECT OF ELECTRIC ARC FURNACE SLAG UNDER DIFFERENT ENVIRONMENTAL CONDITIONS Wei-Chien Wang, Tzu-Hsuan Chen, Jia-Chen Xue, Ting-Ji Hong and Chia-Yun Huang</p> <p>g13242 STUDY OF ENGINEERING PROPERTIES OF CELLULOSE AS A DISPERSANT FOR GRAPHENE IN CEMENT MORTAR Wei Chien Wang, Chia Yun Huang, Ming Gin Lee, Hao Ting Wu and Tzu Hsuan Chen</p> <p>g13249 COMPARISON OF REDUCING SUGARS AS CORROSION INHIBITORS Yoko Sakakihara, Yoshishige Motobayashi, Tomoko Takashita, Shinichiro Okazaki, Tomohiko Ishii and Hidenori Yoshida</p>
1130-1230	<p><b><u>1130-1230 Oral Session 3 Wednesday, 15 November 2023</u></b></p> <p><b>Chair: Dr. Hamidou Hamadou Tamboura</b> g13154, g13161, g13163, g13164, g13167, g13168</p> <p>g13154 FUNDAMENTAL STUDY OF THE EFFECT OF PARTICLE SHAPE AND RELATIVE DENSITY OF SAND ON THE ANGLE OF REPOSE TEST RESULTS Eri Kamegaya and Hidetoshi Nishioka</p> <p>g13161 BASIC STUDY ON ADAPTATION OF SUBBASE COURSE REINFORCEMENT METHOD USING GEOCELLS TO COLD REGIONS Amarsaikhan Khanbayar, Dai Nakamura, Yuki Minabe, Shunzo Kawajiri, Takayuki Kawaguchi, Kenta Nakai and Masashi Kajimoto</p> <p>g13163 LESSONS OF THE IMPLEMENTATION OF ROAD SLOPE EROSION CONTROL BY VEGETATION IN INDONESIA Asep Sunandar, Sri Yeni Mulyani Rochendi, Dea Pertiwi and Zulfikar Ali Ibadurrahman</p> <p>g13164 SHAPE-DEPENDENT RHEOLOGY OF DRY GRANULAR FLOWS STUDIED BY LS-DEM Haoran Jiang, Reid Kawamoto and Takashi Matsushima</p> <p>g13167 STABILIZED SOIL BY USING RECYCLED ASPHALTIC PAVEMENT FOR SUBBASE AND BASE. Supong Wichaipibool and Rattamanee Nuntasarn</p> <p>g13168 CASE STUDY OF THE SLOPE STABILITY OF BUENG NONG KOT AT BANPED, MUENG DISTRICT, KHON KAEN PROVICE Panuwat Daenkasai and Rattamanee Nuntasarn</p> <p><b><u>1130-1230 Oral Session 4 Wednesday, 15 November 2023</u></b></p> <p><b>Chair: Prof. Daniel Nichol Valerio</b> g13251, g13257, g13269, g13297, g13299, g13300</p>

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1130-1230	<p>g13251 INVESTIGATION OF THE USE OF POLYSTYRENE PLASTIC WASTE AS COARSE AGGREGATES IN CONCRETE Marc Adrian Kung, Albino Sablayan IV and Daniel Nichol R. Valerio</p> <p>g13257 WATER PENETRATION PROPERTY OF CONCRETE WITH COPPER SLAG FINE AGGREGATE Manami Kawano and Takuma Kadono</p> <p>g13269 STRESS-STRAIN RELATIONSHIP OF GEOPOLYMER CONCRETE UNDER COMPRESSIVE LOADING Apichat Janpila, Piyawat Foytong, Patcharapol Posi, Nonthaseith Laungekatin, Ampol Wongsas, Vanchai Sata and Prinya Chindaprasirt</p> <p>g13297 NUMERICAL MODEL OF MACRO-CELL CORROSION CONTROLLED BY OXYGEN-DIFFUSION IN CONCRETE Shun Kusakabe, Keiyu Kawaai, Takahiro Nishida and Isao Ujike</p> <p>g13299 EFFECT OF INITIAL CURING ON CRACKING RESISTANCE AGAINST DRYING SHRINKAGE IN PCM SPECIMENS Kandai Fujishima, Keiyu Kawaai and Isao Ujike</p> <p>g13300 QUALITY EVALUATION ON THE SIDE WALL OF BOX CULVERT BASED ON AIR PERMEABILITY TESTS Haruto Nakagawa, Isao Ujike and Keiyu Kawaai</p>
12:30-13:30	<b>Lunch</b>
1330-1430	<p><b><u>1330-1430 Oral Session 5 Wednesday, 15 November 2023</u></b> <b>Chair: Prof. Kyra Kamille Toledo</b> g13169, g13170, g13171, g13176, g13177, g13182</p> <p>g13169 DESIGNING AN EFFICIENT SUPPORT SYSTEM USING AN EMPIRICAL APPROACH: A CASE STUDY IN BATU LUBANG TUNNEL, CENTRAL TAPANULI, NORTH SUMATERA, INDONESIA Muhammad Rizaldi Nuraulia and Susy Kartikasari Ariestianty</p> <p>g13170 THE BEHAVIOR OF COMPACTED KHONKAEN LOESS AS BACKFILL ON RETAINING WALL BETWEEN WET AND DRY CONDITION IN FIELD Viriya Thawaro, Prommin Thaowandee and Ratamanee Nuntasarn</p> <p>g13171 MICROSCOPY AND MECHANICAL BEHAVIOR OF PUMICE SINGLE PARTICLE I Wayan Ariyana Basoka, Kiyonobu Kasama, Zentaro Furukawa, Noriyuki Yasufuku, Ahmad Rifa'i</p> <p>g13176 SENSITIVITY ANALYSIS OF SOIL PARAMETERS FOR MPS-CAE SIMULATION ON SOIL BEHAVIOURS Sudip Shakya, Koichi Tayama and Shinya Inazumi</p> <p>g13177 CONFIGURATION EFFECTS OF AGRICULTURE EQUIPMENT ON SOIL DEFORMATION: EXPERIMENT AND NUMERICAL ANALYSIS Juthanee Phromjan, Michael Kaliske and Chakrit Suvanjumrat</p> <p>g13182 MECHANICAL PROPERTIES OF SIMULATED UNDER-SIEVE RESIDUE MIXED WITH STEEL SLAG Hanli Hu and Yoshiaki Kikuchi</p> <p><b><u>1330-1430 Oral Session 6 Wednesday, 15 November 2023</u></b> <b>Chair: Dr. Chinumani Choudhury</b> g13301, g13311, g13323, g13339, g13341, g13342</p>

# GEOMATE 2023 – PROGRAM DETAILS

1330-1430	<p>g13301 AI ASSISTED CAUSE ESTIMATION OF CRACKING IN CONCRETE BASED ON STANDARD INVESTIGATION Daiki Chikahara, Keiyu Kawaai, Takahiro Nishida and Isao Ujike</p> <p>g13311 CHARACTERIZATION OF PHYSICAL AND BENDING PROPERTIES OF THE BAMBOO SPECIES BAMBUSA PHILIPPINENSIS Marielle Angelique Bayangos, Kenneth De Leon, Toby Miguel Orduña, Angelica Trisha Panganiban, Shikara Poblete and Carlo Joseph Cacanando</p> <p>g13323 BEHAVIOR OF FOAM CONCRETE USING HIGH-VOLUME FLY ASH Yohans Sunarno, Parea Rusan Rangan and Miswar Tumpu</p> <p>g13339 STRUCTURAL ASSESSMENT AND SEISMIC RETROFITTING OF IBNU SINA HOSPITAL BUILDING IN WEST PASAMAN, INDONESIA, USING RC SHEAR WALL Fauzan and Geby Aryo Agista</p> <p>g13341 EVALUATION OF A BUILDING STRUCTURE WITH DIFFERENTIAL SETTLEMENTS IN PADANG CITY, INDONESIA Fauzan and Chintya Chairani</p> <p>g13342 ANALYTICAL STUDY ON SEISMIC BEHAVIOR OF URM HOUSES IN WEST PASAMAN STRENGTHENED USING FERROCEMENT LAYERS Fauzan, Nilda Tri Putri, Febrin Anas Ismail and Jody Kelvin</p>
1430-1530	<p><b><u>1430-1530 Oral Session 7 Wednesday, 15 November 2023</u></b> <b>Chair: Dr. Samudra Jayasekera</b> g13185, g13197, g13200, g13204, g13207, g13212</p> <p>g13185 EFFECT OF SOFT CLAY PROPERTIES AND THICKNESS ON LAND SUBSIDENCE IN BANGKOK PLAIN, THAILAND Sutasinee Intui, Shinya Inazumi, Suttisak Soralump and Daraporn Phusing</p> <p>g13197 ESTIMATION OF THE BEARING CAPACITY OF AN OPEN-ENDED PILE WITH CONTROLLING THE FRICTION COEFFICIENT OF THE INSIDE OF THE PILE WALL Ryosuke Saegusa, Yoshiaki Kikuchi, Syunsuke Nomura and Rikuto Hirayama</p> <p>g13200 TWO — DIMENSIONAL MODEL EXPERIMENT ON PILE GROUP EFFECT BETWEEN PILES WITH DIFFERENT STIFFNESS Tsubasa Ohata, Hidetoshi Nishioka and Takatoshi Sagawa</p> <p>g13204 DEVELOPMENT OF MULTI-POINT NEEDLE PENETRATION APPARATUS FOR GROUND IMPROVEMENT QUALITY EVALUATION Makiko Kobayashi, Tadafumi Fujiwara and Kiyonobu Kasama</p> <p>g13207 PRELIMINARY EVALUATION OF THE VIABILITY OF SINGLE-USE FACE MASK AS A SUBSTITUTE NONWOVEN GEOTEXTILE Ella Jotojot, Donn Caryl Cabase, Chester Piolo Cruz, Marvin Lester Chu and Ryan Ramirez</p> <p>g13212 INVESTIGATION OF THE ACTUAL CONDITIONS AT STRUCTURES IN SHIKOKU BASED ON THE SAFETY ASSESSMENT OF EXISTING TRANSMISSION TOWER FOUNDATIONS Toma Otani and Shinichiro Okazaki</p> <p><b><u>1430-1530 Oral Session 8 Wednesday, 15 November 2023</u></b> <b>Chair: Dr. Kasam Kasam</b> g13346, g13381, g13394, g13407, g13424, g13120</p>



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1430-1530	<p>g13346 EXPERIMENTAL STUDY ON A VIBRATION ISOLATOR USING A Cu-Al-Mn-BASED SHAPE MEMORY ALLOY Takumi Sasaki, Suguru Miyoshi and Hiroki Cho</p> <p>g13381 THE EFFECT OF FIRING TEMPERATURE ON THE PROPERTIES OF BRICKS IN WEST SUMATRA Nevy Sandra, Fajri Yusmar, Annisa Prita Melinda, Lukman Murdiansyah and Muhammad Akbar Caronge</p> <p>g13394 DEVELOPMENT OF COLOR SCALE DIGITAL IMAGE PROCESSING FOR AGGREGATE SIZE CLASSIFICATION Tanapon Khunin and Komsoon Somprasong</p> <p>g13407 STEAM-CURED CALCIUM SULFOALUMINATE-BASED EXPANSIVE CONCRETE: AN ALTERNATIVE FOR PRECAST MATERIALS Adhitya Leonard Wijaya and Kenichiro Nakarai</p> <p>g13424 PERFORMANCE EVALUATION OF PRESTRESSED BRIDGE STRUCTURES IN PADANG PARIAMAN DISTRICT, INDONESIA AGAINST EARTHQUAKE LOADS USING FRAGILITY CURVES Fauzan and Dani Iswara Sundari</p> <p>g13120 IMPACTS OF THE JANUARY-FEBRUARY 2023 SEVERE WEATHER EVENTS ON GEOSTRUCTURES IN AUCKLAND, NZ Rolando P Orense</p>
	<p><b><u>1430-1530 ZOOM 1 Oral &amp; Poster Session Wednesday, 15 November 2023</u></b></p> <p><b>Chair: Prof. Matthew Travis Alcantara</b></p> <p>g13132, g13143, g13159, g13186, g13188, g13227</p>
	<p>g13132 EFFECTIVENESS OF SAND COMPACTION PILE IN ALLUVIAL SOILS: A CASE STUDY OF A REAL STRUCTURE IN BANGLADESH Md. Aftabur Rahman, Robin Khastagir and Opu Chandra Debanath</p> <p>g13143 PROPOSAL FOR A MIXED-USE PLAN FOR BRIDGES PLANNING OF ENVIRONMENT-FRIENDLY DISASTER PREVENTION BASE FACILITIES BY CONSOLIDATING FUNCTIONS Shinji Sato and Hiroki Yamakawa</p>
	<p>g13159 UNDERSTANDING LATERAL SPREADING CASE HISTORIES USING INTERPRETABLE MACHINE LEARNING Emerzon S. Torres and Jonathan R. Dungca</p> <p>g13186 MATERIAL PROPERTIES OF CONCRETE MIXED WITH MUNICIPAL SOLID WASTE INCINERATION ASH FOR CEMENT REPLACEMENT Ayane Yanaka, Taku Higashino, Shinichiro Okazaki, Naomichi Matsumoto and Hidenori Yoshida</p> <p>g13188 ON SPACE DESIGN OF SIDEWALK CAFÉ AND ACTIVATION OF STREET SPACE Tatsuki Watanabe and Kazunari Tanaka</p> <p>g13227 A STUDY ON BIOPOLYMER AS A SUSTAINABLE SLOPE STABILIZER FOR AN ACTIVE CUT SLOPE IN GUWAHATI CITY Zenia Karam and Chinumani Choudhury</p>
1530-1550	<b>Afternoon Refreshments</b>
1550-1600	<b>Group Photo</b>
1600-1620	<b>Journal Publications Guidance (Room Oral Session 5)</b>

# GEOMATE 2023 – PROGRAM DETAILS

	<p><b><u>1620-1720 Oral Session 9 Wednesday, 15 November 2023</u></b></p> <p><b>Chair: Dr. Kristianto Kristianto</b></p> <p>g13221, g13226, g13228, g13230, g13237, g13241</p> <p>g13221 ESTIMATING GROUNDWATER ELEVATION USING MACHINE LEARNING MODELS: A CASE OF METRO MANILA, PHILIPPINES Joenel Galupino and Jonathan Dungca</p> <p>g13226 THREE-DIMENSIONAL PHYSICAL MODELING ON SOFT SOIL IMPROVEMENT BY RIGID INCLUSIONS Parita Bunchob, Chainarong Songsiri, Palinee Sumitsawan, Kwansirinapa Thanawong and Suriyavut Pra-ai</p> <p>g13228 A STUDY OF IMPACT FORCE OF DRY GRANULAR FLOW DOWN AN INCLINE PLANE Artid Reangyos, Thossapon Thungfonphum, Phuttigon Dhammarak, Kwansirinapa Thanawong and Suriyavut Pra-ai</p> <p>g13230 THE SWELL-SHRINK PROPERTIES OF INTACT AND DISTURBED CLAYEY AND MARLY SOILS: THE DISTURBANCE EFFECT Lamis Makki, Myriam Duc and Fabien Szymkiewicz</p> <p>g13237 HYDRAULIC CONDUCTIVITY BEHAVIOR OF MINE TAILINGS DURING WETTING AND DRYING CYCLE Miller DL. Cutora, Ma. Elizabeth Ann L. Uy and Mary Ann Q. Adajar</p> <p>g13241 MECHANICAL EFFECTS OF TREATED BAMBOO AND POLYPROPELENE FIBERS AS REINFORCEMENT IN SOIL Maria Emilia P. Sevilla, Miller DL. Cutora, Maynuel S. Carpio, David Emmanuel D. Diaz, Ruth P. Ebero and Al Christian Paul Z. Orbista</p>
1620-1720	<p><b><u>1620-1720 Oral Session 10 Wednesday, 15 November 2023</u></b></p> <p><b>Chair: Dr. Sutasinee Intui</b></p> <p>g13122, g13140, g13141, g13149, g13172, g13352</p> <p>g13122 REMOTE MONITORING AND HYDRAULIC ANALYSIS OF IRRIGATION SYSTEMS: JALAU RIVER MULTIPURPOSE PROJECT II Mark Paulo S.D. Alcala</p> <p>g13140 THEORETICAL AND EXPERIMENTAL EVALUATIONS ON NEUTRALIZATION OF CONSTRUCTION-GENERATED ALKALINE SOILS Koki Nakao, Kohei Maru, Sudip Shakya and Shinya Inazumi</p> <p>g13141 BASIC PROPERTIES OF SUPER FLUIDIZED SOIL USING RECYCLED CONSTRUCTION-GENERATED SLUDGE Yuji Shigematsu, Ryusuke Nakano, Koki Nakao and Shinya Inazumi</p> <p>g13149 STUDY ON SEDIMENT ANALYSIS AND QUANTITATIVE SANDBAR MONITORING OF UAV AT BABAMEGAWA RIVER Yoshitaka Jiken, Kazuya Watanabe and Noritoshi Saito</p> <p>g13172 ENVIRONMENTAL IMPACT STUDY OF VIBRATION AND SOUND SIGNALS OF AIR-CONDITIONER COOLING UNITS Suphattharachai Chomphan, Attaphon Chaimanatsakun and Sutartip Wittayapiyanon</p>

# GEOMATE 2023 – PROGRAM DETAILS

1620-1720	<p>g13352 EFFECT OF SEASONAL VARIATION ON MICROPLASTICS CONTAMINATION IN SEDIMENT OF THE MIDDLE CHI RIVER, THAILAND Pattira Kasamesiri, Wipavee Thaimuangphol and Banthita Sawasdee</p>
1720-1820	<p><b><u>1720-1820 Oral Session 11 Wednesday, 15 November 2023</u></b>  <b>Chair: Dr. Gaoyuan Lyu</b>  g13243, g13247, g13252, g13256, g13258, g13264</p> <p>g13243 SOUTH-EAST VIADUCT OF THE NEW TOULOUSE METRO LINE: CFA PILES BEHAVIOR IN THE TOULOUSE MOLASSE Fabien Szymkiewicz, Charlotte Cochez, Jean-Yves De Lamballerie, Carlos Minatchy, Olivier Givet and Marie Lafon</p> <p>g13247 SLOPE FLOW BEHAVIOR OF GRANULAR MATERIALS WITH DIFFERENT SIDE CONSTRAINT CONDITIONS Naoto Naito, Yuto Okugawa, Tatsuya Matsuda and Kinya Miura</p> <p>g13252 AN INVESTIGATION OF SCOUR AND EROSION PROCESS DUE TO WAVES AROUND MONOPILE FOUNDATION Tatsuya Matsuda, Kinya Miura, Naoto Naito and Daiki Shirakura</p> <p>g13256 PARAMETER ESTIMATION OF A FOUR-PARAMETER RAMBERG-OSGOOD POWER LAW FOR MODELLING STRAIN SOFTENING SOILS Matthew Travis Alcantara and Mark Albert Zarco</p> <p>g13258 DYNAMIC PROBING (DPSH) INVESTIGATION FOR EMBANKMENTS AND BACK-FILL IN SEQUENTIAL EXTRACTIVE LAND USE John Victor Smith, Peter Corr and Sanjaya Perera</p> <p>g13264 APPLICATION OF BY-PRODUCT MG-RICH SYNTHETIC GYPSUM AS AN ADDITIVE IN THE STABILIZATION OF PEAT SOIL Ayah Almsedeen, Nurmunira Muhammad and Mohd Fakhrurrazi Ishak</p> <p><b><u>1720-1820 Oral Session 12 Wednesday, 15 November 2023</u></b>  <b>Chair: Prof. Vuttichai Chatpattananan</b>  g13179, g13180, g13181, g13184, g13187, g13192</p> <p>g13179 STUDY OF PAVEMENT CONTACT PATCH EFFECTS ON THE AIR VOLUME BY FINITE ELEMENT METHOD Thanat Saisaengtham and Chakrit Suvanjumrat</p> <p>g13180 VERIFICATION OF MATHEMATICAL MODELS FOR THE TIRE-SOIL INTERACTION BY EXPERIMENTS Siwakorn Phakdee, Ravivat Rugsaj and Chakrit Suvanjumrat</p> <p>g13181 Cu, Zn, Fe AND Mn CONCENTRATIONS OF SOME CRUSTACEANS IN THE WAKAGAWA ESTUARY TIDAL FLAT Kazuko Kubo and Hiroyuki Ii</p> <p>g13184 DEVELOPMENT OF FIRED CLAY GRANULES AS ECO-FRIENDLY SUBSTANCES FOR NITROGEN FIXING BACTERIAL CELLS Piyawadee Saraphirom, Piyarat Namsena, Mullika Teerakun, Songklot Phonphuak, Anusorn Chanprathak, Sarawut Dakaew and Nonthaphong Phonphuak</p>

# GEOMATE 2023 – PROGRAM DETAILS

1720-1820	<p>g13187 WATER ENVIRONMENT IN BUMIAYU TEMPLE AREA (PLACE AND FUNCTION REVIEW) Sondang Martini Siregar, Retno Purwanti, Taquuddin, Retno Susanti and Hudaidah</p> <p>g13192 METHOD OF PRACTICAL LEARNING ON SDGs FOR UNIVERSITY STUDENTS—BASED ON EXPERIENCE OF WORKSHOP-STYLE DIALOGUE AT CAMPUS Tomomi Maekawa</p> <p><b><u>1720-1820 ZOOM 2 Oral &amp; Poster Session Wednesday, 15 November 2023</u></b></p> <p><b>Chair: Prof. Md Aftabur Rahman</b></p> <p>g13253, g13261, g13274, g13302, g13303, g13344</p> <p>g13253 LSP (LOGIC SCORE PREFERENCE) METHOD FOR READY-TO-BUILD AREAS AND READY-TO-BUILD ENVIRONMENTS AS AN EARLY WARNING AND DISASTER MITIGATION SYSTEM RM Masri and IM Purwaamijaya</p> <p>g13261 INTEGRATING GEODETIC CONTROL POINTS AND SPATIOTEMPORAL VARIATION IN MONITORING LAND SUBSIDENCE IN SUB-OPTIMAL TERRAIN Sri Rezki Artini, Rosidawani and Dinar Dwi Anugerah Putranto</p> <p>g13274 STABILIZATION OF KAOLINITIC CLAY SOIL USING SILICA FUME, EGGSHELL ASH AND LIME Muhammad Syamsul Imran Zaini and Muzamir Hasan</p> <p>g13302 RESEARCH ON PSYCHOLOGICAL MODELS OF TRANSPORTATION Shion Muramoto and Kazunari Tanaka</p> <p>g13303 RESEARCH ON THE EXTRAORDINARY BASED ON TRANSPORTATION Shonosuke Kajita and Kazunari Tanaka</p> <p>g13344 EXPLORING THE DYNAMICS OF RIVER INFLOW AND ITS EFFECTS ON THE DEEP LAYER OF LAKE BIWA THROUGH NUMERICAL SIMULATIONS Jinichi Koue</p>
<p><b>Day 2: Poster Session - Wednesday, 15 November 2023</b></p> <p><b>All online &amp; onsite meeting times are in Japan time.</b></p>	
1300-1700	<p><b><u>1300-1700 Poster Session 1 Wednesday, 15 November 2023</u></b></p> <p><b>Chair: Prof. Michiko Masuda</b> (Poster hang at 1300 ~, remove at 1700) Q&amp;A 1530</p> <p>g13135, g13139, g13142, g13146, g13155, g13156, g13157, g13166</p> <p>g13135 REMOVAL OF SILVER(I) FROM AQUEOUS SOLUTION USING JAPANESE NATURAL ZEOLITES (MORDENITE AND CLINOPTILOLITE): A COMPARATIVE STUDY Takaaki Wajima</p> <p>g13139 EXPERIMENTAL STUDY ON STRENGTH DEVELOPMENT AND DURABILITY OF CHEMICAL-GROUTED SAND Toshiyuki Motohashi, Shigeo Sasahara, Sudip Shakya and Shinya Inazumi</p> <p>g13142 U-NET ENSEMBLE LEARNING-BASED AUTOMATIC DETECTION OF LANDSLIDE AREAS FROM AERIAL PHOTOGRAPHS Jonpaul Nnamdi Opara, Ryo Moriwaki and Pang-jo Chun</p> <p>g13146 A SMALL-SCALE LABORATORY TEST FOCUSING ON SLOPE FAILURE PROCESS AND ACCUMULATION Masanori Kohno and Mizuki Niwa</p>

# GEOMATE 2023 – PROGRAM DETAILS

1300-1700	g13155 MANUFACTURING BONE CHARCOAL FOR CONSTRUCTING A FLUORINE REMOVAL SYSTEM IN GROUNDWATER Tatsuhide Hamasaki
	g13156 DECOMPOSITION OF ARTIFICIAL SWEETENERS BY OZONE OXIDATION Bingzi Chen, Yichen Chen, Shogo Taniguchi and Tatsuhide Hamasaki
	g13157 EFFECT OF PH ON OXALIC ACID DECOMPOSITION BY O <sub>3</sub> /H <sub>2</sub> O <sub>2</sub> ADVANCED OXIDATION Yichen Chen, Bingzi Chen and Tatsuhide Hamasaki
	g13166 THE RELATIONSHIP BETWEEN SHIKISHIMA PARK USERS' BEHAVIOR AND EXTERNAL FACTORS DURING COVID-19 PANDEMIC, A CASE STUDY IN MAEBASHI CITY, GUNMA Shinya Tsukada, Xingyu Tao and Tetsuo Morita
1830-2030	<b>Banquet &amp; Awards Ceremony</b>
1830	<b>Group Photo in Banquet Hall</b>
1930-2030	<b>Awards Ceremony</b>
2030	<b>Adjournment for the Day</b>
<b>Day 3 (Onsite &amp; ZOOM): Thursday, 16 November 2023</b> <b>All online meeting times are in Japan time.</b>	
0830-1600	<b>Registration</b>
0830-0930	<b><u>0830-0930 Oral Session 13 Thursday, 16 November 2023</u></b> <b>Chair: Dr. Premalatha K</b> g13272, g13278, g13295, g13298, g13304, g13306  g13272 BEARING CAPACITY ESTIMATION OF STRIP FOOTING ON TWO-LAYERED c- $\phi$ SOILS BASED ON THE RIGID PLASTIC FINITE ELEMENT METHOD Hamidou Hamadoum Tamboura and Koichi Isobe  g13278 THE INFLUENCE OF COMPACTED KHON KAEN LOESS ON THE GRAVITY RETAINING WALL Ratamane Nuntasarn  g13295 A COMPARATIVE STUDY OF CANTILEVER CONCRETE RETAINING WALL AND MECHANICALLY STABILIZED EARTH WALL IN RESISTING THAILAND SEISMIC LOADS Vuttichai Chatpattananan, Vatanavongs Ratanavaraha and Chainarong Athisakul  g13298 SEISMIC BEHAVIOR ANALYSIS OF UNDERGROUND PIPELINES CONSIDERING EARTHQUAKE MOTIONS WITH PHASE DIFFERENCE AND FAULT DISPLACEMENT Shinzan Narahara, Junji Kiyono and Aiko Furukawa  g13304 EVALUATION OF LANDSLIDE ON METAMORPHIC ROCKS: A CASE STUDY OF KULAWARA-KULAWI NATIONAL ROAD IN CENTRAL SULAWESI Dea Pertiwi, Fahmi Aldiamar and Maulana Iqbal  g13306 EVALUATION OF INFINITE SLOPE STABILITY WITH VARIOUS SOILS UNDER WET-DRY CYCLE Depu Hu, Shoji Kato and Byeong-Su KIM  <b><u>0830-0930 Oral Session 14 Thursday, 16 November 2023</u></b> <b>Chair: Prof. Rolando Orense</b> g13193, g13196, g13201, g13202, g13213, g13215

# GEOMATE 2023 – PROGRAM DETAILS

0830-0930	<p>g13193 HEAVY METAL CONCENTRATIONS IN JAPANESE RED PINE AT TADA SILVER MINE AND RYUMON MOUNTAIN Tomoaki Takeda</p> <p>g13196 THE DIFFERENT CHARACTERISTICS OF GROUND-MOTION RECORDED FOR TWO SOURCE OF DESTRUCTIVE EARTHQUAKES NEAR VOLCANO ZONE IN INDONESIA Sigit Pramono, Septian Farandi Angesthi, Muhammad Reza July Utama, Rika Swastikarani and Retno Yogi Wijayanti</p> <p>g13201 CONJUGATE FORCED CONVECTION HEAT TRANSFER THROUGH RECTANGULAR PLATE FIN HEAT SINKS BY COMPUTATIONAL FLUID DYNAMICS Supachok Chokngamvong, Jetsadaporn Priyadumkol, Machimontorn Promtong and Chakrit Suvanjumrat</p> <p>g13202 DEVELOPMENT OF CONTACT AREA MODEL FOR HYDROPLANING ESTIMATION OF MOTORCYCLE TIRES BY EXPERIMENT Weerachai Chaiworapuek , Chakrit Suvanjumrat, Natnaree Worajinda and Ravivat Rugsaj</p> <p>g13213 EFFECTS OF BIOMASS DISCHARGED IN TOYAMA PREFECTURE ON THE MODIFIED CALIFORNIA BEARING RATIO (CBR) OF MASA SOIL Tatsuya Yoshizaki, Taichi Hyodo, Naoki Tatta and Shinya Uchida</p> <p>g13215 APPLICATION OF THE ACASA MODEL AT A DRY DIPTEROPCARP FOREST IN THAILAND Srisunee Wuthiwongyothin, Kyaw Tha Paw U, and Montri Sanwang斯里</p>
0930-1030	<p><b><u>0930-1030 Oral Session 15 Thursday, 16 November 2023</u></b> <b>Chair: Prof. Rajiv Eldon Abdullah</b> g13307, g13310, g13315, g13327, g13353, g13354</p> <p>g13307 ASSESSING RESIDUAL SETTLEMENT IN COLUMN FOUNDATIONS AFTER AN EARTHQUAKE USING HORIZONTAL LOADING MODEL TESTS Hiroki Yoshida, Yuki Isobe and Hidetoshi Nishioka</p> <p>g13310 GEOTECHNICAL DESIGN CONSIDERATION OF LOCALLY PEAT POND ON TOLL ROAD WORKS IN INDONESIA Ahmad Numan and Rinhenda Sarasati</p> <p>g13315 HYDRAULIC AND STRUCTURAL STABILITY OF OVERTOPPING PROTECTION OF SOIL EMBANKMENT USING GABION MATTRESSES Ryuhei Kobayashi, Syuichi Kobayashi, Naoya Takahashi and Toshihiro Morii</p> <p>g13327 3D MODEL OF COMPLEX LANDSLIDE ON THE PONOROGO – PACITAN ROAD, EAST JAVA PROVINCE, INDONESIA Arief Rachmansyah, Azizi Dermawan and Mayang Bunga Puspita</p> <p>g13353 INVESTIGATION ON GEOTECHNICAL PROPERTIES OF WEATHERED MARBLE AS AN ALTERNATIVE EMBANKMENT MATERIAL FOR ROADWAY DEVELOPMENT IN NORZAGARAY, BULACAN Engr. Jomari F. Tan, Engr. Maria Emilia P. Sevilla, Jilmar John Mateo Contreras, Kristan Aldrin Ramos Rosales, Mayvel Yambot Cortes and Reniel Stephen Tanyag Lacanilao</p> <p>g13354 SLOPE FAILURE DUE TO THE 2011 OFF THE PACIFIC COAST OF TOHOKU EARTHQUAKE AT KADOI DISRICT IN HITACHIOHMIYA-CITY— COMPARISON OF SOIL LAYER COMPOSITION BASED ON SIMPLE PENETRATION TEST — Naomasa Honda</p>

# GEOMATE 2023 – PROGRAM DETAILS

0930-1030	<p><b><u>0930-1030 Oral Session 16 Thursday, 16 November 2023</u></b></p> <p><b>Chair: Dr. Komsoon Somprasong</b> g13218, g13225, g13235, g13246, g13255, g13260</p> <p>g13218 EVALUATING THE INFLUENCE OF TREATED BANANA FIBER ON THE STRENGTH OF SOIL SUBGRADE Zachary O. Datuin, Freddierick Kyle M. Garcia, Joaquin Alfonzo N. Ramos, Ron Michael O. Rieta, Erica Elice S. Uy and Miller DL. Cutora</p> <p>g13225 CHANGES IN THE NETWORK PROPERTY OF PORES DUE TO THE FORMATION OF AGGREGATES Atsushi Goto, Junichiro Takeuchi, Yuto Takeuchi and Masayuki Fujihara</p> <p>g13235 CFD INVESTIGATION OF SUBCOOLED BOILING FLOW AT HIGH PRESSURE USING TWO-FLUID MODEL AND RPI CLOSURES ON OPENFOAM Baramée Muangput, Patchara Udomkum, Khem Tongpricha, Tinnapob Phengpom, Jetsadaporn Priyadumkol, Chakrit Suvanjumrat and Machimontorn Promtong</p> <p>g13246 DOWNSCALING ANALYSIS OF PRECIPITATION AND TEMPERATURE USING REGIONAL CLIMATE MODEL (RCM) OVER SOUTHEAST ASIA Pramet Kaewmesri</p> <p>g13255 INVESTIGATION INTO AERODYNAMIC AND MECHANICAL PERFORMANCES OF POTENTIAL VERTICAL-AXIS WIND TURBINES USING CFD TECHNIQUE Jetsadaporn Priyadumkol, Baramée Muangput, Tinnapob Phengpom, Chakrit Suvanjumrat and Machimontorn Promtong</p> <p>g13260 CONCENTRATION OF HEAVY METALS SUCH AS TUNGSTEN IN PLANTS GROWING AROUND THE KIWADA MINE Daiki Yamamoto and Hiroyuki Ii</p>
1030-1050	<p><b><u>Morning Refreshments</u></b></p>
1050-1150	<p><b><u>1050-1150 Oral Session 17 Thursday, 16 November 2023</u></b></p> <p><b>Chair: Dr. Nurmunira Muhammad</b> g13366, g13367, g13406, g13408, g13440, g13449</p> <p>g13366 IDENTIFICATION OF THE GOVERNING MECHANISM IN THE BEHAVIOR OF SILTY SAND Premalatha K, Arivazhagan R and Akshaya R</p> <p>g13367 QUANTIFYING THE SURFACE ROUGHNESS EVALUATION OF RAILWAY BALLAST GRAIN UNDER ROTATING DRUM ABRASION Opu Chandra Debanath, Takashi Matsushima, Shuichi Adachi and Masahiro Miwa</p> <p>g13406 ESTIMATION OF BOUNDARY OF CUTTIN AND FILLING OF RESIDENTIAL EMBANKMENT USING S-WAVE VELOCITY Akinobu Ogasawara, and Shunzo Kawajiri, Takayuki Kawaguchi and Dai Nakamura</p> <p>g13408 A SPONTANEOUSLY DISASTER EVACUATION DRILL FOR TSUNAMI BY IMITATING A GAME OF TAG Hiroto Tanouchi, Tomomi Nakano and Nobuyuki Egusa</p> <p>g13440 THE ROLE OF DYNAMIC CONE PENETROMETER TESTING IN ASSESSING PAVEMENT SUBGRADE STRENGTH: A LITERATURE REVIEW Kevin E. Garcia, Orlean G. Dela Cruz, Manuel M. Muhi and Abdollah Tabaroei</p>

# GEOMATE 2023 – PROGRAM DETAILS

1050-1150	<p>g13449 GEOTECHNICAL DAMAGE CAUSED BY 2022 PAKTIKA EARTHQUAKE IN AFGHANISTAN AND SOME CONSIDERATIONS Abdul Bari Jahed, Takashi Ito and Ömer Aydan</p> <p><b><u>1050-1150 Oral Session 18 Thursday, 16 November 2023</u></b></p> <p><b>Chair: Prof. Mark Paulo Alcala</b></p> <p>g13294, g13308, g13309, g13317, g13324, g13371</p> <p>g13294 ATTENUATION CHARACTERISTICS OF PEAK-TO-PEAK OF UNDERWATER ULTRASONIC BY SUSPENDED SOLIDS Nozomu Urahata and Kenji Okajima</p> <p>g13308 ADSORPTION PROPERTIES OF HYDROXYAPATITE PRODUCED FROM FISH BONES FOR FLUORINE Ayane Yanaka, Naho Ikeda, Yoshihiro Suenaga, Naomichi Matsumoto and Hidenori Yoshida</p> <p>g13309 ASSESSMENT OF THE PROBABILITY OF ROAD INTERRUPTION CAUSED BY RAINFALL-INDUCED LANDSLIDES ALONG KENNON ROAD, PHILIPPINES USING REMOTE SENSING TECHNIQUES Nikki Faereolin S. Acierda, Leanna Mae T. Alarilla, Thomas Eladio David A. Cansino, Dave Lemuel H. Pagdonsolan and Rajiv Eldon E. Abdullah</p> <p>g13317 NATURAL VIBRATION CHARACTERISTICS ESTIMATION OF BRIDGE CABLES BASED ON THE SUBSPACE METHOD Aiko Furukawa and Minjiu Jiang</p> <p>g13324 MAPPING THE FLOOD INUNDATION AREAS USING HEC-GEORAS AT BATANG MAHAT, LIMA PULUH KOTA REGENCY, WEST SUMATERA Junaidi, Darwizal Daoed and Diva Syandriaji</p> <p>g13371 CHEMICAL RESISTANCE OF PERVIOUS CONCRETE SUBJECTED ACID AND SULPHATE ATTACK Mudasir Nazeer, Kanish Kapoor and Surinder Pal Singh</p>
1150-1250	<p><b><u>1150-1250 Oral Session 19 Thursday, 16 November 2023</u></b></p> <p><b>Chair: Prof. Mohd Nazip Suratman</b></p> <p>g13262, g13266, g13268, g13285, g13288, g13292</p> <p>g13262 A STUDY ON PRIORITIZATION OF RESTORATION TREATMENT OF TRANSITIONAL WETLANDS Michiko Masuda, Takumi Yokoyama and Fumitake Nishimura</p> <p>g13266 HEAVY METAL CONCENTRATIONS OF CICADA SHELL AND CICADA ADULT FOR METAL MINES Hiroyuki li</p> <p>g13268 LATERAL SHRINKAGE OF COMPACTED POLYURETHANE-CLAY SUBJECTED TO A SINGLE WET-DRY CYCLE Cielo Frianeza and Mary Ann Adajar</p> <p>g13285 EFFECT OF GIVING ECOENZYME PLUS ON GROWTH KALOPO (Calopogonium Mucunoides) IN MEDIA LAND OF THE FORMER COAL MINING OF PT BARA ALAM UTAMA, LAHAT, SOUTH SUMATRA Abdul Razak, Andri Wijaya Kesuma and Muhammad Agus</p> <p>g13288 DEVELOPMENT OF A BAGHOUSE FILTER MODEL USING COMPUTATIONAL FLUID DYNAMICS Angtida Punyaponchai, Jetsadaporn Priyadumkol, Sommart Thongkom and Chakrit Suvanjumrat</p> <p>g13292 VARIATIONAL ITERATION METHOD AND ANALYTIC SOLUTION FOR LAPLACE EQUATION FOR STEADY GROUNDWATER FLOW Dalal Adnan Maturi</p>



# GEOMATE 2023 – PROGRAM DETAILS

	<p><b><u>1150-1250 Oral Session 20 Thursday, 16 November 2023</u></b></p> <p><b>Chair: Dr. Ryan Ramirez</b></p> <p>g13326, g13330, g13332, g13334, g13343, g13457</p> <p>g13326 AT-SITE FLOOD FREQUENCY ANALYSIS OF BAN BANG LUANG STATION IN CHAO PHRAYA RIVER BASIN Christabel Jane P. Rubio, Florence Rossette S. Dimagiba, Kate Andrei B. Salamat, Karl Richard M. Sorongon and John William C. Vedeja</p> <p>g13330 REDOX REACTION MECHANISMS OF REDUCING SUGARS CONSIDERED FROM THE VIEWPOINT OF DIFFERENCES IN MOLECULAR STRUCTURES Yoko Sakakihara, Tsuyoshi Kobayashi, Tomoko Takashita, Shinichiro Okazaki, Tomohiko Ishii and Hidenori Yoshida</p> <p>g13332 STUDY ON THE EFFECT OF SILICA FUME AND SLAG CEMENT AS RCA ADDITION TO IMPROVE CONCRETE PROPERTIES STRENGTH BY USING SONREB NDT METHOD Nota Praxtee Syaira, Fairuz khoirunisa, Indradi Wijatmiko and Christin Remayanti Nainggolan</p> <p>g13334 GREENHOUSE GAS EMISSIONS FROM THAMMASAT UNIVERSITY (LAMPANG CAMPUS), THAILAND Pantitcha Thanatrakolsri, Lalin Lektua and Daranphon Buasamli</p> <p>g13343 INVESTIGATION OF SPATIAL AND TEMPORAL VARIABILITY OF SOIL MOISTURE AND ITS EFFECT OF VEGETATION AND SNOW COVER IN MONGOLIA BASED ON FIELD MEASUREMENT AND SATELLITE DATA Nozomu Hirose, Jun Asamuna, Ichirow Kaihotsu and Kentaro Aida</p> <p>g13457 ENHANCING SOIL STABILITY AND GEOTECHNICAL PROPERTIES OF SUBGRADE LAYERS USING RICE HUSK ASH: A SUSTAINABLE APPROACH FOR GROUND IMPROVEMENT Abdelmageed Atef Abdelmageed Shehata, Md. Yachin Islam, Alex Otieno Owino, Md. Aminul Islam, Md. Soybur Rahman and Zakaria Hossain</p>
1150-1250	<p><b><u>1150-1250 ZOOM 3 Oral &amp; Poster Session Thursday, 16 November 2023</u></b></p> <p><b>Chair: Prof. Joe Robert PaulLucena</b></p> <p>g13345, g13379, g13380, g13382, g13399, g13413, g13438</p> <p>g13345 EVALUATION OF SABO DAM PERFORMANCE FRO DEBRIS FLOW PREVENTION: VERTICAL AND INCLINED FORM Gaoyuan Lyu, Akihiko Hirooka and Hajime Kiyokuni</p> <p>g13379 THE EFFECT OF TOLL ROAD CHARACTERISTICS ON ACCIDENT RATE IN INDONESIA: A MODELLING STUDY Kristianto, Carunia Mulya Firdausy and Najid</p> <p>g13380 GIS AND REMOTE SENSING INTEGRATION FOR SOIL EROSION ASSESSMENT BASED ON A RUSLE MODEL IN UPNM CATCHMENT Zuliziana Suif, Jestin Jelani, Nordila Ahmad, Maidiana Othman, Wan Mohamed Syafuan Wan Mohamed Sabri and Syakir Ikmal Mahazir</p> <p>g13382 GEOTECHNICAL INVESTIGATION OF A LANDSLIDE INCIDENT IN KEMENSAH HEIGHT, MALAYSIA Jestin Jelani, Muhammad Shafiq Soffian Abdul Rahman, Suriyadi Sojipto, Wan Mohamed Syafuan Wan Mohamed Sabri, Lee Min Lee and Nordila Ahmad</p> <p>g13399 THE EFFECT OF GEOTECHNICAL PARAMETERS TO DETERMINE LANDSLIDE SUSCEPTIBILITY ASSESSMENT ALONG PADALARANG – PURWAKARTA HIGHWAY Cahya Ahmad Gumilar</p>

# GEOMATE 2023 – PROGRAM DETAILS

1150-1250	<p>g13413 EFFECT OF SHREDDED RUBBER TIRE AS PARTIAL REPLACEMENT FOR COARSE AGGREGATES IN FLY ASH-BASED PERVIOUS CONCRETE Joanne Nicole Arac, Joaquin Bitong, Alden Justin Hao, Brennan Lorenz Tiu, Kenneth Jae Elevado and Cheryl Lyne C. Roxas</p> <p>g13438 MATRIX-BASED ANALYSIS AND SIMULATION OF A GLUBAM SPACE TRUSS WITH CARBON FIBER- REINFORCED COMPOSITE JOINT Joe Robert Paul G. Lucena, Aaron Paul I. Carabbacan, Franklyn F. Manggapis, Sanjie Dutt A. Kumar, Manuel M. Muhi and Orlean G. Dela Cruz</p>
1250-1350	<b>Lunch</b>
1350-1450	<p><b><u>1350-1450 Oral Session 21 Thursday, 16 November 2023</u></b> <b>Chair: Prof. Cielo Frianeza</b> g13362, g13370, g13375, g13378, g13384, g13387</p> <p>g13362 INTEGRATED SPATIAL RISK ASSESSMENT FROM ATMOSPHERIC INVERSION OVER THE DEEP OPEN PIT COAL MINE Komsoon Somprasong, Panlop Hattagosol, Thanyalak Inta and Mongkolchai Assawadithalerd</p> <p>g13370 APPLICATION OF ARTIFICIAL NEURAL NETWORK TO EVALUATE THE FINE-BLANKED EDGE QUALITY OF A ROLLED STEEL SHEET Thanyaphon Nakkhlai, Watcharapong Chookaew and Chakrit Suvanjumrat</p> <p>g13375 MODELLING OF FLOW AND SCOUR AROUND THE PIERS WITH DIFFERENT GEOMETRIC SHAPES Dhemi Harlan, Ilmiadin Rasyid, Joko Nugroho, Mohammad Bagus Adityawan and Dantje Kardana Natakusumah</p> <p>g13378 MODELLING OF CARBON STOCKS OF EUCALYPTUS PLANTATIONS USING WORLDVIEW-2 IMAGERY IN SABAH, MALAYSIA Ahmad Farid Mohsin and Mohd Nazip Suratman</p> <p>g13384 REPRODUCTION OF HISTORICAL ROAD MAPS ON THE KUMANO KODO USING GEOGRAPHIC INFORMATION, DISASTER PREVENTION, AND USE OF SPRING WATER Masanobu Taniguchi</p> <p>g13387 APPLICATION OF BIOPOLYMER FOR SOIL IMPROVEMENT: LABORATORY AND FIELD EXPERIENCE Ivan Gratchev, Pouyan Bagheri and Jun Sugawara</p> <p><b><u>1350-1450 Oral Session 22 Thursday, 16 November 2023</u></b> <b>Chair: Prof. Radim Cajka</b> g13392, g13398, g13411, g13430, g13431, g13331</p> <p>g13392 DEVELOPMENT OF UAV-BASED EMPIRICAL FORMULA FOR NDVI'S ESTIMATION IN THE MAEMOH MINE, LAMPANG, THAILAND Thitinan Hutayanon and Komsoon Somprasong</p> <p>g13398 SPATIAL ANALYSIS OF ENVIRONMENTAL FACTORS FOR SUSTAINABLE RECREATIONAL BUSINESS DISTRICT DEVELOPMENT IN KUTA BEACH, CENTRAL LOMBOK REGENCY Dewi Susiloningtyas, Andini Dwi Khairunnisa Daulay, Abinawanto, Annisa Azzahara and Bintang Mahakarya Sembahen</p>

# GEOMATE 2023 – PROGRAM DETAILS

1350-1450	<p>g13411 HIGH EFFICIENCY REMOVAL METHOD OF RADIOACTIVE CESIUM FROM THE SLUDGE BY USING PURIFICATION SYSTEM OF CIRCULATION TYPE WITH CONSIDERATION OF THE VOLUME REDUCTION OF ADDED SUBSTANCE Tomoe Komoriya, Kyoichi Okamoto and Takeshi Toyama</p> <p>g13430 PARTIAL REPLACEMENT OF FINE AGGREGATE IN CONCRETE WITH A COMBINED MIX OF WASTE GLASS &amp; STEEL SLAG Samudra Jayasekera</p> <p>g13431 DESIGN AND EVALUATION OF VERTICAL EVACUATION BUILDING AT KELUMBAYAN USING TSUNAMI MODELLING Dyah Kusumastuti, Hanan Fadhilah Ramadhani and Mohammad Bagus Adityawan</p> <p>g13331 DEVELOPMENT OF SURFACE SETTLEMENT OF TWIN TUNNELS UNDER THE INFLUENCE OF THE RIVER Liang Jiabin, Tang Xiaowu, Wang Tianqi, Lin Weikang, Li Keyi and Xiang Qingqing</p>
	<p><b><u>1350-1450 ZOOM 4 Oral &amp; Poster Session Thursday, 16 November 2023</u></b></p> <p><b>Chair: Dr. Nurmunira Muhammad</b></p> <p>g13425, g13427, g13428, g13442, g13325, g13447, g13153</p> <p>g13425 TSUNAMI VULNERABILITY AMONG BUILDINGS IN RIKUZENTAKATA CITY: CASE STUDY OF THE 2011 TSUNAMI DISASTER IN JAPAN Mohd Muhaimin Ridwan Wong, Nordila Ahmad, Afiqah Amirah Ismail, Anawat Suppasri and Syamsidik</p> <p>g13427 TEMPORAL DEVELOPMENT OF SCOUR AROUND WIDE PIERS Nordila Ahmad, Zuliziana Suif, Jestin Jelani and Maidiana Othman</p> <p>g13428 ASSESSMENT OF WASTE CHARACTERISTICS AND POTENTIAL RESOURCE RECOVERY AT THE PIYUNGAN LANDFILL IN YOGYAKARTA: A STUDY BASED ON LANDFILL AGE Kasam, Fajri Mulya Iresha, Hijrah Purnama Putra, Annisa Nur Lathifah and Ali Rahmat</p> <p>g13442 SLOPE STABILITY ANALYSIS OF A SILICA SAND SLOPE MODEL SUBJECTED TO SURCHARGE LOAD Aina Syahirah Ahmad Ishak, Jestin Jelani, Soon Yee Wong, Zuliziana Suif and Ahmad Loqman Ahmad Mazuki</p>
1350-1450	<p>g13325 IDENTIFICATION OF MICROPLASTICS IN THE HOUSEHOLD WELL AROUND INDUSTRIAL AREAS IN SLEMAN REGENCY, YOGYAKARTA, INDONESIA Suphia Rahmawati, Vebi Anggelina, Ayu Sulistiawati, Elita Nurfitriani Sulisty and Awaluddin Nurmiyanto</p> <p>g13447 INFLUENCE OF IMMERSION WEATHERING ON THE MECHANICAL PROPERTIES OF rHDPE COMPOSITES REINFORCED BY BAMBOO FIBRES Maidiana Othman, Nur Fadzilatulhuda Abd Halimee, Siti Khadijah Che Osmi, Nurul Ain Nor Azlam and Norakmar Ahmad Sabri</p> <p>g13153 THE POTENTIAL APPLICATION OF FRUIT SCLEROMETER TO ESTIMATE UNDRAINED SHEAR STRENGTH OF BANGKOK CLAY Sitthiphat Eua-apiwatch</p>

# GEOMATE 2023 – PROGRAM DETAILS

1450-1550	<p><b><u>1450-1550 Oral Session 23 Thursday, 16 November 2023</u></b></p> <p><b>Chair: Prof. Michiko Masuda</b></p> <p>g13348, g13452, g13453, g13454, g13455, g13460</p> <p>g13348 EXPERIMENTAL MEASUREMENTS AND NUMERICAL VERIFICATION OF SOIL – FOUNDATION INTERACTION ON REAL STRUCTURES Radim Cajka, Jana Vaskova, Zdenka Neuwirthova, Petr Mynarcik and Kamil Burkovic</p> <p>g13452 IMPACT OF DISPLACEMENT BEHAVIOR AND THE GROUNDWATER CHANGE ON SLOPE FAILURE INITIATION DUE TO RAINFALL Xin Qin, Masamitsu Fujimoto and Yoshifumi Satofuka</p> <p>g13453 EFFECT OF TEMPERATURE AND SOLUTION PH ON CALCIUM CARBONATE PRECIPITATION AS BIO-BASED REPAIR MATERIAL IN CONCRETE Prima Yane Putri, Isao Ujike, Nevy Sandra and Faisal Ashar</p> <p>g13454 ZnO/g-C<sub>3</sub>N<sub>4</sub> COMPOSITES FOR REMOVAL OF AQUEOUS ORANGE II SOLUTION VIA ADSORPTION AND PHOTODEGRADATION Mahmudul Hassan Suhag, Aklima Khatun, Ikki Tateishi, Mai Furukawa, Hideyuki Katsumata and Satoshi Kaneco</p> <p>g13455 PHOTOCATALYTIC METHANE PRODUCTION FROM ACETIC ACID UNDER VISIBLE LIGHT IRRADIATION Monir Uzzaman, Ikki Tateishi, Mai Furukawa, Hideyuki Katsumata and Satoshi Kaneco</p> <p>g13460 STABILIZING OF EXPANSIVE SOIL WITH AGRICULTURAL WASTE AGGREGATES: A CRITICAL REVIEW Md. Aminul Islam, Md. Soybur Rahman, Abd Elmageed Atef, Md. Yachin Islam, Md. Mahabub Alam and Zakaria Hossain</p>
1450-1550	<p><b><u>1450-1550 Oral Session 24 Thursday, 16 November 2023</u></b></p> <p><b>Chair: Dr. Zulfa Hanan Ashaari</b></p> <p>g13441, g13369, g13368, g13459, g13458, g13461</p> <p>g13441 COMPARISON OF STATIC AND DYNAMIC LOAD TESTING: A REVIEW Vincent Carl Cuajao, Abdollah Tabaroei and Orlean G. Dela Cruz</p> <p>g13369 COLD-FORMED STEEL BUCKLING UNDER VARIOUS LOAD CONDITIONS: THE ROLE OF WEB STIFFENING, SCREW CONNECTION DESIGN, AND DESIGN PROCEDURE Jhun M. Jacinto, Orlean G. Dela Cruz, Guillermo O. Bernabe and Ernie D. Tombado</p> <p>g13368 TEXTILE-REINFORCED MORTARS (TRM): AN ECOLOGICALLY FRIENDLY RETROFITTING ALTERNATIVE FOR CONCRETE STRUCTURES Aldrine Paul P Bornaes and Orlean G. Dela Cruz</p> <p>g13459 A COMPARISON OF THE FRICTIONAL RESISTANCE OF THE GROUND IN JAPAN AND BANGLADESH BY STABILANKA GEOTEXTILE Md. Mahabub Alam, Md. Soybur Rahman, Zakaria Hossain, Abd Elmageed Atef, Md. Yachin Islam and Md. Aminul Islam</p> <p>g13458 CRITICAL REVIEW ON UTILIZATION OF RIVER SLUDGE, RICE HUSK ASH, AND CEMENT: SUSTAINABILITY AND IMPLICATIONS Md. Yachin Islam, Alex Otieno Owino, Abdelmageed Atef Abdelmageed Shehata, Md. Aminul Islam, Md. Soybur Rahman and Zakaria Hossain</p>

# GEOMATE 2023 – PROGRAM DETAILS

1450-1550	<p>g13461 EFFECTS OF MUNICIPAL SOLID WASTES ON PHYSICO-CHEMICAL PROPERTIES ON SOIL AROUND DUMPSITE AT MYMENSINGH, BANGLADESH Md. Soybur Rahman, Md. Mahabub Alam, Zakaria Hossain, Abd Elmageed Atef, Md. Yachin Islam, Md. Aminul Islam</p>
<p><b>Day 3: Poster Session - Thursday, 16 November 2023</b></p> <p><b>All online &amp; onsite meeting times are in Japan time.</b></p>	
0900-1250	<p><b><u>0900-1250 Poster Session 2 Thursday, 16 November 2023</u></b></p> <p><b>Chair: Prof. Joe Robert PaulLucena</b> (Poster hang at 0900~, remove at 1250) Q&amp;A 1030</p> <p>g13174, g13175, g13208, g13219, g13229, g13279, g13289</p> <p>g13174 A NEW VIBRATION ACTUATOR CAPABLE OF COMBINED LINEAR AND ROTATIONAL MOTIONS Hiroyuki Yaguchi and Ryusei Sato</p> <p>g13175 ELECTROMAGNETIC-VIBRATION RESONANCE PUMP WITH HIGH EFFICIENCY AND FLOW RATE Hiroyuki Yaguchi and Takuya Watanabe</p> <p>g13208 INVESTIGATION OF STRESS BEHAVIOR IN EMBANKMENT DUE TO RAINFALL INFILTRATION Daiki Yamashita, Shin-ichi Kanazawa and Hayato Suzuki</p> <p>g13219 STUDY ON COLLAPSE MECHANISM OF RIVER LEVEE DUE TO EXTERNAL WATER LEVEL FLUCTUATION Hayato Suzuki and Shin-ichi Kanazawa</p> <p>g13229 A COMPREHENSIVE STATISTICAL MODEL FOR WATER ENVIRONMENT RANKING BASED ON MULTIPLE ENVIRONMENTAL INDICATORS Shengping Zhang and Jie Qi</p> <p>g13279 EFFECTS OF DIFFERENT RAILWAY MANAGEMENT ON VEGETATION OF THE TRACKS Taizo Uchida, Masaaki Furuno, Hiroaki Furuno, Teruo Arase and Tetsuo Okano</p> <p>g13289 THE EFFECT OF CURING TIME ON SWELLING PRESSURE OF EXPANSIVE SOIL STABILIZED BY FLY ASH-BASED GEOPOLYMERS Moh. Muntaha, Taurina Suhardji and Yuyun Tajunnisa</p>
1300-1700	<p><b><u>1300-1700 Poster Session 3 Thursday, 16 November 2023</u></b></p> <p><b>Chair: Dr. Kusno Kamil</b> (Poster hang at 1300 ~, remove at 1700) Q&amp;A 1630</p> <p>g13291, g13296, g13313, g13390, g13404, g13405, g13437</p> <p>g13291 RESEARCH ON THE BEHAVIOR OF METRO TUNNEL SUB-RECTANGULAR CROSS SECTION IN HETEROGENEOUS SOIL CONDITION AT HANOI VK DANG, Augustin Bracco and NA DO</p> <p>g13296 BASIC STUDY ON FROST HEAVE AND THAW BEHAVIOR OF PILES AND FOUNDATIONS USED IN PHOTOVOLTAIC POWER GENERATION FACILITIES Kenta Nakai, Dai Nakamura, Masashi Kajimoto, Yuki Minabe, Shunzo Kawajiri, Takanori Kadota and Takayuki Kawaguchi</p> <p>g13313 EFFECTIVNESS OF PEANUT OIL AS A CORROSION INHIBITOR FOR MILD STEEL Gabriel N. Malabag, Mariah Angelique S. Malabanan, Kaela B. Aningat, Alex Jean Marx Arcilla, Carl Tristan D. Gile and Kyra Kamille A. Toledo</p>

# GEOMATE 2023 – PROGRAM DETAILS

1300-1700	<p>g13390 A STUDY ON NEW WATER-BLOCKING METHOD APPLYING BENTONITE MIXED SOIL AND ITS PREDICTION OF INFILTRATION LINES Yuki Sakoda, Shushi Sato, Masayuki Mizuno and Peter Kaba</p> <p>g13404 DEVELOPMENT OF EXPERIMENTAL APPARATUS TO SIMULATE EARTHQUAKES, TSUNAMIS, AND RAINFALL ON SCALED MODEL OF GEOTECHNIAL STRUCTURE Shota Hayashizaki, Shunzo Kawajiri, Masahiro Kurokawa, Takayuki Kawaguchi, Dai Nakamura and Akinobu Ogasawara</p> <p>g13405 DEVELOPMENT OF COMPACT PULL-OUT TEST APPARATUS APPLICABLE TO X-RAY CT SCANNER Evan-seiya Asano, Akinobu Ogasawara, Shunzo Kawajiri, Shota Hayashizaki, Dai Nakamura and Takayuki Kawaguchi</p> <p>g13437 RAPID GIS-BASED FLOOD SUSCEPTIBILITY MODEL BASED ON REMOTE SENSING DATA IN THE UPPER OF SOLO RIVER WATERSHED Jumadi Jumadi, Umrotun Umrotun, Dewi Novita Sari, Steve Carver and Chintania A.T. Normantyo</p>
1550-1610	<b>Afternoon Refreshments</b>
1610-1630	<b>Journal Publications Guidance (Room Oral Session 5)</b>
1630-1640	<b>Group Photo, Closure of Conference</b>
<p><b>Day 4: Friday, 17 November 2023</b>  <b>All online meeting times are in Japan time.</b></p>	
1300-1700	<b><i>Technical Tour</i></b>

## **Access info-Tsu, Mie, Japan**

### **From Chubu International Airport (Centrair):**

The nearest international airport to Mie, Tsu city venue hotel is Chubu International Airport (Centrair) (<http://www.centrair.jp/en/>). From Centrair to Tsu city, it takes about 45 minutes via high speed ferry. There are 14 round trips per day, leaving Centrair on every hour from 7am to 10pm, and a one-way ticket costs 2500 yen to Tsu Nagisamachi Ferry Terminal. The Nagisamachi Marina website is: (<http://www.nagisa.city.tsu.mie.jp/eng/index.html>)

### **From Tsu Nagisamachi Ferry Terminal to Venue (Hotel Tsu Center Palace):**

It takes 5 minutes by Taxi/bus (20mins by walk) from the Tsu Nagisamachi Ferry Terminal to **Hotel Tsu Center Palace**. For map and access details, please visit the conference website. <https://www.rio-hotels.co.jp/tcp/>

### **From Other Airports:**

It is also possible to fly into Kansai International Airport in Osaka, or even Narita International Airport in Tokyo, but transferring to Mie will take time and require additional train fares etc. If possible please make sure your flight is to Chubu International Airport Centrair (Nagoya).

### **By Train:**

From Nagoya city, it takes about 50 minutes by JR's "Kaisoku Mie" (JR Nagoya station to Tsu station), or by Kintetsu Limited Express (Kintetsu Nagoya station to Tsu station).

From Osaka city, it takes about 85 minutes by Kintetsu Limited Express from Kintetsu Nabma or Uehonmachi station to Tsu station.

### **From Tsu station to Venue (Hotel Tsu Center Palace):**

Once you have arrived at Tsu Train station via bus or train, the easiest way is to hail a cab "**Hotel Tsu Center Palace**", which takes about 5 minutes and costs about 1,000 yen. Alternatively, take a Bus to Mie Kaikan Mae. It is in front of Hotel Tsu Center Palace.

### **From Kansai Airport: Limousine Bus to Uehonmachi:**

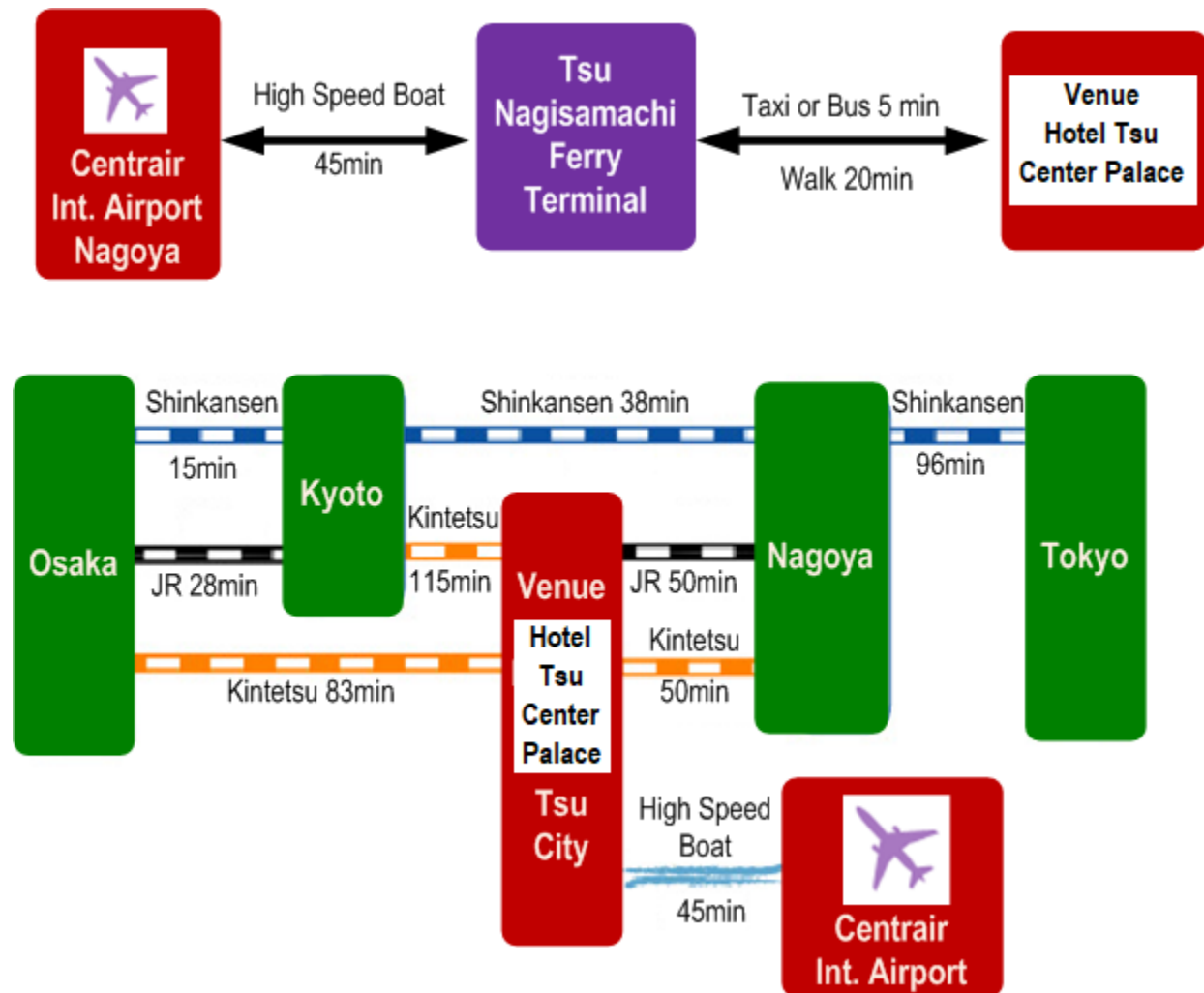
<http://www.kansai-airport.or.jp/en/access/bus/index.html>

Access information is given in GEOMATE web page as follows: <https://geomate.org/themesvenue.html>

### **From Osaka to Mie Venue:**

Take Kintetsu Train (Limited Express) at Uehonmachi Station, Get off at Tsu Station

## Access info-Tsu-Mie, Japan





## **General Information**

1) Are participants allowed to shuffle between Rooms A and B to attend different sessions throughout the day?

Ans: Yes

2) When do participants have to select which Room to attend? Is there a program booklet providing information on which topics will be held in each session?

Ans: Participants can attend any Room at any time during each session. Yes, topics are on the program details.

3) Each session is allocated 60 min, and there are 6 topics per session. Do the 10 minutes allocated to each speaker include Q&A?

Ans: Yes

4) Will there be a Q&A after each topic or a combined Q&A at the end of each session?

Ans: A combined Q&A will be held at the end of each session. The questioner should ask using the chat. They should write the ID for whom the question is intended.

5) Is it still necessary to prepare a poster?

Ans: It is up to the presenter's preference to present orally using ppt, word, pdf, or poster.

6) When is the deadline for submission of the oral presentation slides?

Ans: We will send a link and the deadline to all in a few days.

### Work Flow:

To avoid interruption and confusion, the ZOOM Room will have one zoom ID for the whole day. Anyone can join and leave at any time.

The moderator/Host will control everything, including the guidance to the Session Chair. They will start/continue the session if any session chair is absent according to the program. If any presenter does not show up, the session will move to the next presenter. Early finishing is ok, but delaying is not acceptable.

The staff promises to maintain the non-stop ZOOM ROOM for the day. They always keep an eye to permit/allow the delegates to enter at any time. If any interruption occurs (unexpectedly), the host will create an emergency ZOOM ID and send it to all to start the program quickly.

# **GEOMATE 2024**

## **Pattaya, Thailand**

### **13-15 November 2024**

**<https://www.geomate2024.com/>**

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