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# SEE-MIE 2022 Program



EDITED BY  
Zakaria Hossain

November 10-12, 2022  
Miyako Hotel Yokkaichi Mie Japan

SEE-Mie 2022 – The Eighth International Conference on Structure, Engineering & Environment, Yokkaichi City, Mie, Japan, Nov. 10-12, 2022.

## **Welcome Participants**

Welcome to the SEE - Mie 2022 - The Eighth International Conference on Structure, Engineering & Environment, Yokkaichi City, Mie, Japan, Nov. 10-12, 2022, organized by Mie University Research Center for Environmental Load Reduction, The GEOMATE International Society, Useful Plant Spread Society, Glorious International, AOI Engineering, HOJUN, JCK, CosmoWinds and Beppu Construction, Japan.

We would like to thank you for your participation, especially the authors who have submitted significant and eventful 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 helped in one way or another to ensure the success of this conference.

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 Yokkaichi City, Mie and the nearby places of interest.

Yours Sincerely,

Professor Dr. Zakaria Hossain  
Conference Chairman

10 November 2022

# SEE 2022 Program Summary with ID

## Day 1: Thursday, 10 November 2022

14:00-17:00 Registrations

18:00-20:00 Welcome Dinner

## Day 2 (Onsite & ZOOM): Friday, 11 November 2022

"All online meeting times are in Japan time"

08:30-17:00 Registration

09:00-09:10 Opening and Welcome Address

Welcome address by Prof Zakaria Hossain

### 09:10-10:00 Keynote Session

Chair: Dr. Hiroyuki Yaguchi

Speaker: Dr. Hiroyuki li

Title: EFFECTIVENESS OF BRYOPHYTES AND CICADA SHELLS AS A BIO-INDEX FOR HEAVY METAL CONTAMINATION OF RIVER WATER AND SOIL

Speaker: Dr. John Smith

Title: CURRENT CHALLENGES IN GEOLOGICAL STORAGE OF CARBON DIOXIDE

10:00-10:30 Morning Refreshments

<b>ROOM A</b> (Moderator 2)	<b>ROOM B</b> (Moderator 2)	<b>ROOM C</b> (Moderator 2)
08:30-17:00 Registration	<p><b>10:30-11:30 Oral/Poster Session 1</b> Chair: Dr. Hiroyuki li s8508, s8510, s8518, s8532, s8536, s8538</p> <p><b>11:30-12:30 Oral/Poster Session 3</b> Chair: Dr. Fabien Szymkiewicz s8548, s8549, s8552, s8554, s8564, s8582</p> <p><b>12:30-13:30 Lunch</b></p> <p><b>13:30-14:30 Oral/Poster Session 5</b> Chair: Dr. Sitthiphat Eua-apiwatch s8596, s8606, s8610, s8611, s8616, s8639</p> <p><b>14:30-15:30 Oral/Poster Session 7</b> Chair: Prof. Dr. Saad Alabdullah s8550, s8644, s8650, s8653, s8654, s8656</p>	<p><b>10:30-11:30 Oral/Poster Session 2</b> Chair: Prof. Stephen John Clemente s8529, s8520, s8557, s8561, s8572, s8681</p> <p><b>11:30-12:30 Oral/Poster Session 4</b> Chair: Dr. Abdull Halim Abdul s8575, s8585, s8601, s8622, s8624, s8625</p> <p><b>12:30-13:30 Lunch</b></p> <p><b>13:30-14:30 Oral/Poster Session 6</b> Chair: Prof. Cheeming Chan s8636, s8655, s8658, s8672, s8504, s8526</p> <p><b>14:30-15:30 Oral/Poster Session 8</b> Chair: Prof. Ambar Pertiwiningrum s8522, s8524, s8530, s8533, s8544, s8546</p>
15:30-16:00 16:00-16:30 18:30-20:30 20:30	<p><b>Journal Publication Guidance (ROOM B)</b> <b>Afternoon Refreshments, Group Photo</b> <b>Banquet &amp; Awards Ceremony</b> <b>Adjournment for the Day</b></p>	

# SEE 2022 Program Summary with ID

## Day 3 (Onsite & ZOOM): Saturday, 12 November 2022

"All online meeting times are in Japan time"

**08:30-17:00 Registration**

**09:00-09:30 Keynote Session**

**Chair: Dr. Hiroyuki Ii**

Speaker: Dr. Hiroyuki Yaguchi

Title: DEVELOPMENT OF A NEW VIBRATION ACTUATOR FOR INSPECTION OF LARGE IRON STRUCTURES

<b>ROOM A</b> (Moderator 2)	<b>ROOM B</b> (Moderator 2)	<b>ROOM C</b> (Moderator 2)
<b>08:30-17:00</b> Registration	<b>09:30-10:30 Oral/Poster Session 9</b> Chair: Prof. Nazar Oukaili s8657, s8661, s8676, s8680, s8678, s8512	<b>09:30-10:30 Oral/Poster Session 10</b> Chair: Dr. John Smith s8547, s8515, s8555, s8558, s8560, s8566
	<b>10:30-11:00: Morning Refreshments</b>	<b>10:30-11:00: Morning Refreshments</b>
	<b>11:00-12:00 Oral/Poster Session 11</b> Chair: Dr. Beti Nurbaiti s8567, s8568, s8570, s8569, s8576, s8581	<b>11:00-12:00 Oral/Poster Session 12</b> Chair: Dr. Ari Sugiarto s8584, s8588, s8593, s8594, s8595, s8603
	<b>12:00-13:00 Lunch</b>	<b>12:00-13:00 Lunch</b>
	<b>13:00-14:00 Oral/Poster Session 13</b> Chair: Dr. Rabee Rustum s8605, s8608, s8609, s8614, s8615, s8626	<b>13:00-14:00 Oral/Poster Session 14</b> Chair: Prof. Zakaria Hossain s8632, s8635, s8643, s8647, s8659, s8667
<b>14:00-14:30</b> <b>14:30-15:00</b> <b>15:00</b>	<b>Journal Publication Guidance (Room B)</b> <b>Afternoon Refreshments, Group Photo</b> <b>Closure of Conference</b>	

## Day 4: Sunday, 13 November 2022

**13:00-17:00 Technical Tour**

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<b>18:30-20:30</b>	<b>Banquet &amp; Awards Ceremony</b>	
<b>20:30</b>	<b>Adjournment for the Day</b>	

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Speaker: Dr. Hiroyuki Yaguchi

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**13:00-17:00 Technical Tour**

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## Day 2 (Onsite & ZOOM): Friday, 11 November 2022

All online meeting times are in Japan time

08:30-17:00	<b>Registration (ROOM A)</b>
09:00-16:00	<b>Opening, Keynote and Technical Sessions (ROOM B)</b>
	<b>09:00-9:10 Opening and Welcome address</b> Welcome address by Prof Zakaria Hossain
09:10-10:00	<b>09:10-10:00 Keynote Session</b> <b>Chair: Dr. Hiroyuki Yaguchi</b> <b>Speaker:</b> Prof. Dr. Hiroyuki li <b>Title:</b> EFFECTIVENESS OF BRYOPHYTES AND CICADA SHELLS AS A BIO-INDEX FOR HEAVY METAL CONTAMINATION OF RIVER WATER AND SOIL <b>Speaker:</b> Prof. Dr. John Smith <b>Title:</b> CURRENT CHALLENGES IN GEOLOGICAL STORAGE OF CARBON DIOXIDE
10:00-10:30	<b>Morning Refreshments</b>
10:30-11:30	<b>10:30-11:30 Oral/Poster Session 1 (ROOM B) Friday, 11 November 2022</b> <b>Chair: Prof. Dr. Hiroyuki li</b> (s8508, s8510, s8518, s8532, s8536, s8538)  s8508 A NEW TYPE OF ELECTROMAGNETIC-VIBRATION PUMP WITH HIGH EFFICIENCY AND FLOW RATE Hiroyuki Yaguchi, Takuya Watanabe and Toshiki Mishina  s8510 GEOPHYSICAL INVESTIGATION OF GROUNDWATER RESOURCES USING ELECTRICAL RESISTIVITY AND INDUCED POLARIZATION METHOD Jannatul Hasni Omar, Nordila Ahmad, Jestin Jelani, Zuliziana Suif and Maidiana Othman  s8518 MACHINE LEARNING MODELS TO DETERMINE THE COEFFICIENT ANGLE OF FRICTION OF MAKATI CITY, PHILIPPINES SOIL LAYERS Joel Galupino and Jonathan Dungca  s8532 A STUDY ON VIBRATION AND SOUND SIGNALS OF AN ELECTRIC VEHICLE Suphattharachai Chomphan  s8536 CONSTANT VOLUME SHEAR TESTS ON COMPACTED SILTY SOIL UNDER CONSTANT WATER CONTENT CONDITION Tufail Ahmad, Riko Kato and Jiro Kuwano  s8538 NUMERICAL SIMULATION OF ENERGY EXTRACTION FROM A RESONATING RESERVOIR Bang-fuh Chen, Hsing-nan Wu and Po-hung Yeh  <b>10:30-11:30 Oral/Poster Session 2 (ROOM C) Friday, 11 November 2022</b> <b>Chair: Prof. Stephen John Clemente</b> (s8529, s8520, s8557, s8561, s8572, s8681)  s8529 EXPERIMENTAL STUDY ON SEISMIC SHEAR DEFORMATION OF BOX TUNNEL FOCUSING ON STIFFNESS RATIO AND FRICTION BEHAVIOR Takafumi Shimada, Hidetoshi Nishioka and Takahiro Furukawa

# SEE 2022 – PROGRAM DETAILS

10:30-11:30	<p>s8520 SPATIAL ANALYSIS ON THE WIN OF CANDIDATE NUMBER 2 IN THE 2020 DEPOK CITY ELECTION Imam Budi Hartono and Chotib</p> <p>s8557 STRUCTURAL DESIGN OF SEISMIC ISOLATION FOR TEMPLE AND SHRINE Yasuhide Mochida and Kengo Wada</p> <p>s8561 STRESS ANALYSIS OF VALLEY FILLS CONSIDERING RAINFALL INFILTRATION CONDITIONS Daiki Yamashita and Shin-ichi Kanazawa</p> <p>s8572 ANALYTICAL STUDY OF THE STRENGTH CHARACTERISTICS OF COMPACTED SOIL Kazuki Naito and Shin-ichi Kanazawa</p> <p>s8681 A REVIEW OF ENGINEERED CEMENTITIOUS COMPOSITES AS A FIBER REINFORCED CEMENTITIOUS COMPOSITE MATERIAL Karl Michael Banaay, Orlean G. Dela Cruz and Ernesto J. Guades</p>
11:30-12:30	<p><b><u>11:30-12:30 Oral/Poster Session 3 (ROOM B) Friday, 11 November 2022</u></b>  <b>Chair: Dr. Fabien Szymkiewicz</b>  (s8548, s8549, s8552, s8554, s8564, s8582)</p> <p>s8548 DURABILITY PERFORMANCE OF CONCRETE INCORPORATING DIMENSION LIMESTONE WASTE AS FINE AGGREGATES REPLACEMENT Jasmin M. Panganiban and Mary Ann Q. Adajar</p> <p>s8549 RECYCLING OF FISHERY WASTE AS PLANTING BASE POROUS CONCRETE AIMED AT ACHIEVING CARBON NEUTRALITY Ayane Yanaka, Hidenori Yoshida, Shinichiro Okazaki, Yui Oyake and Yoshihiro Suenaga</p> <p>s8552 EXAMINATION OF SEDIMENT GRAIN-SIZE MEASUREMENT AND CALCULATION AT MULTIPLE POINTS ON THE SANDBAR IN CLASS B RIVER Yoshitaka Jiken, Kazuya Watanabe and Noritoshi Saito</p> <p>s8554 RESIDUAL STRUCTURAL CAPACITY EVALUATION OF BRIDGE PIERS AFFECTED BY THE LOCAL SCOURING WITH A WATER LEVEL FORCASTING MODEL USING MACHINE LEARNING Ryosuke Takahashi, Takuma Kadono and Shinichiro Okazaki</p> <p>s8564 TIME, STRESS AND STRAIN DEPENDENCY OF PILE STIFFNESS: IMPACT ON PILE BEHAVIOR AND STATIC PILE LOADING TESTS RESULTS Fabien Szymkiewicz, Wassim Mohamad, Nader Elayni and Carlos Minatchy</p> <p>s8582 A STUDY ON THE PROPERTIES OF CONCRETE WITH FLY ASH AND GARBAGE MOLTEN SLAG FINE AGGREGATE Zihao Liu, Koji Takasu, Hidehiro Koyamada and Hiroki Suyama</p> <p><b><u>11:30-12:30 Oral/Poster Session 4 (ROOM C) Friday, 11 November 2022</u></b>  <b>Chair: Dr. Abdul Halim Abdul</b>  (s8575, s8585, s8601, s8622, s8624, s8625)</p> <p>s8575 CORROSION BEHAVIOR ANALYSIS OF SELF-COMPACTING CONCRETE USING IMPRESSED CURRENT AND RAPID CHLORIDE PENETRATION TEST Stephen John C. Clemente and Jason Maximino C. Ongpeng</p> <p>s8585 DAMAGE AND SUBMERGED PROBABILITY EVALUATION OF FLOATING OFFSHORE WIND TURBINES UNDER WIND AND WAVE ACTIONS Ken-ichi Fujita and Harumi Yashiro</p>



# SEE 2022 – PROGRAM DETAILS

11:30-12:30	<p>s8601 RESILIENCE ASSESSMENT OF A FIVE-STOREY SOCIALIZED HOUSING USING THE REDI RATING SYSTEM John Pol A. Aguilar, Wilfed A. Chan, Ted Marius U. Delos Reyes, Richard M. De Jesus and Rodolfo</p> <p>s8622 EXPERIMENTAL STUDY ON RETROFITTING OF HOLLOW BRICK MASONRY HOUSES USING A FERROCEMENT LAYER Fauzan, Jonathan Vincensius Osman, Geby Aryo Agista, Naurah Daffa Carol and Yundha Syah Putra</p> <p>s8624 THE EFFECT OF TSUNAMI LOAD ON PRAYOGA FOREIGN LANGUAGE COLLEGE IN PADANG CITY, INDONESIA Fauzan, Ferdy Muhammad Ikhwan, Dyan Adhitya Nugraha M and Zev Al Jauhari</p> <p>s8625 STRUCTURAL EVALUATION OF THE MELATI HOSPITAL BUILDING AT SUNGAI PENUH CITY Fauzan, Lukman Nulhakim, Dyan Adhitya Nugraha M and Zev Al Jauhari</p>
12:30-13:30	<p><b>Lunch</b></p>
13:30-14:30	<p><b><u>13:30-14:30 Oral/Poster Session 5 (ROOM B) Friday, 11 November 2022</u></b>  <b>Chair: Dr. Sitthiphat Eua-apiwatch</b>  (s8596, s8606, s8610, s8611, s8616, s8639)</p> <p>s8596 LABORATORY STUDY OF PHYSICAL AND THERMAL PROPERTIES OF CONCRETE MIXED WITH BAKELITE Sitthiphat Eua-apiwatch and Worasit Kanjanakijkasem</p> <p>s8606 ELECTROCHEMICAL EVALUATION OF CORROSION PROTECTION OF REINFORCING STEEL BARS USING SUGARS Yoko Sakakihara, Kiyofumi Yamagiwa, Kyosuke Isoda and Shinichiro Okazaki</p> <p>s8610 PHYSICAL AND MORPHOLOGICAL PROPERTIES OF POLYURETHANE MODIFIED BITUMEN UNDER AGEING CONDITIONS Faridah Hanim Khairuddin, Siti Zubaidah Mohd Asri, Noor Aina Misnon, Nur Izzi Md Yusoff and Ahmad Nazrul Hakimi Ibrahim</p> <p>s8611 PUSHOVER ANALYSIS OF RC FRAMES WITH SUBSTANDARD BEAM-COLUMN JOINTS Zaidir and Syafri Wardi</p> <p>s8616 LIFE CYCLE ASSESSMENT IN THE PRODUCTION PROCESS OF CRUDE PALM OIL (CPO) ON PALM OIL PLANTATION AND MILLS Deffi Ayu Puspito Sari, Malikhatun Nikmah and Nugroho Adi Sasongko</p> <p>s8639 SEDIMENT EXPERIMENTAL STUDY ON BARK STRIPPING PROCESS USING DRIFTWOOD MODEL Kazuya WATANABE, Noritoshi SAITO and Yoshitaka JIKEN</p>
	<p><b><u>13:30-14:30 Oral/Poster Session 6 (ROOM C) Friday, 11 November 2022</u></b>  <b>Chair: Prof. Cheeming Chan</b>  (s8636, s8655, s8658, s8672, s8504, s8526)</p> <p>s8636 ANALYSIS OF REINFORCED CONCRETE STRUCTURES EMPLOYING KOHONEN SELF ORGANISING MAP Omar Al Juboori and Rabee Rustum</p> <p>s8655 EXISTING BRIDGE CAPACITY EVALUATION FOR TRANSPORTATION HAVEY TRAILER Douangmixay Dounsuvan and Chanpheng Phommavone</p>

# SEE 2022 – PROGRAM DETAILS

13:30-14:30	<p>s8658 AN INTRODUCTION TO LINI APPLICATION FOR EARTHQUAKE RESISTANT DESIGN OF BRIDGES IN INDONESIA Desyanti and Fahmi Aldiamar</p> <p>s8672 EXPERIMENTAL MEASUREMENT OF THE LOAD-BEARING CAPACITY OF WIRE HOOKS AND BENDS USED IN GABION RETAINING WALLS Radim Cajka, Kamil Burkovic, Zdenka Neuwirthova, Petr Mynarcik and David Bujdos</p> <p>s8504 LABORATORY INVESTIGATION ON WATER QUALITY OF SPRING WATER FOR SMALL COMMUNITY FOR WATER SECURITY Mohamad Nazrul Hafiz, Maidiana Othman, Noor Afiza Mat Razali, Zuliziana Suif, Jestin Jelani and Nordila Ahmad</p> <p>s8526 Cu,Zn,Fe AND Mn CONCENTRATIONS OF SOME GASTROPODS IN THE WAKAGAWA ESTUARY TIDAL FLAT Kazuko Kubo and Hiroyuki Ii</p>
14:30-15:30	<p><b><u>14:30-15:30 Oral/Poster Session 7 (ROOM B) Friday, 11 November 2022</u></b> <b>Chair: Prof. Dr. Saad Alabdullah</b> (s8550, s8644, s8650, s8653, s8654, s8656)</p> <p>s8550 IDENTIFICATION OF POTENTIAL URBAN SLUM SETTLEMENTS TO IMPLEMENT WATER-SENSITIVE URBAN DESIGN Nico Halomoan, Ahmad Soleh Setiyawan, Prayatni Soewondo, Prasanti Widyasih Sarli and Dion Awfa</p> <p>s8644 FIXATION OF SOYBEAN EXTRACT METHOD FOR BIOCATALYST IN CALCITE PRECIPITATION METHOD AND ITS APPLICABILITY AS A SOIL IMPROVEMENT TECHNIQUE Heriansyah Putra, Baiq Heny Sulistiawati, Hideaki Yasuhara, Minson Simatupang and Dede Heri Yuli Yanto</p> <p>s8650 PERFORMANCE COMPARISON OF GEOMETRIC SHAPE OF DESILTING BASIN RECTANGULAR AND VORTEX DESILTING BASIN Muhammad Isnaeni, Muhammad Syahril Badri Kusuma, Joko Nugroho, Mohammad Farid and Muhammad Cahyono</p> <p>s8653 CASE STUDY AND EVALUATION OF ROAD LANDSLIDE OVER TUFF MATERIAL Fahmi Aldiamar and Dea Pertiwi</p> <p>s8654 FIELD PERFORMANCE EVALUATION OF ENVIROMENTALLY FRIENDLY PREFABRICATED VERTICAL DRAIN (PVD) Dea Pertiwi</p> <p>s8656 AN APPROACH STUDY OF REDUCING THE SUB-BALLAST THICKNESS OF RAILWAY USING GEOTEXTILES Saad F.I. AL-Abdullah, Zaman T. Teama, Maysaloon A. Zaidan and Suha Aldahwi</p>
	<p><b><u>14:30-15:30 Oral/Poster Session 8 (ROOM C) Friday, 11 November 2022</u></b> <b>Chair: Prof. Ambar Pertiwiningrum</b> (s8522, s8524, s8530, s8533, s8544, s8546)</p> <p>s8522 EFFECTIVENESS OF COMPACTED POLYURETHANE-CLAY AS A SANITARY LANDFILL LINER Cielo Frianeza and Mary Ann Adajar</p>

# SEE 2022 – PROGRAM DETAILS

14:30-15:30	<p>s8524 FEASIBILITY OF OYSTER SHELL PERVIOUS CONCRETE WITH DIFFERENT PARTICLE SIZE AS A SEAWEED BED Shuta Hiura, Itaru Horiguchi and Yoichi Mimura</p> <p>s8530 PHYSICAL PROPERTY AND HEAVY METAL LEACHING BEHAVIOR OF CONCRETE MIXED WITH WOODY ASH Takuto Ueno, Ayane Yanaka, Shinichiro Okazaki, Naomichi Matsumoto and Hidenori Yoshida</p> <p>s8533 TECHNOLOGY FOR IMPROVING OCTOPUS RESOURCE PRODUCTIVITY USING ARTIFICIAL REEFS AND AI Takafumi Yamamoto, Yoshihiro Suenaga, Tetsuya Tamaki, Shinichiro Okazaki and Hidenori Yoshida</p> <p>s8544 NUMERICAL AND ANALYTICAL STUDY FOR SOLVING HEAT EQUATION OF THE REFRIGERATION OF APPLE Dalal Adnan Maturi</p> <p>s8546 THE INVESTIGATION OF BIOGAS PERFORMANCE AFTER PURIFICATION USING NATURAL ZEOLITE AND RICE-HUSK BIOCHAR Ambar Pertiwinigrum, Margaretha Arnita Wuri, Alva Edy Tontowi, Andang Widi Harto and Misri Gozan</p>
15:30-16:00	<b>Journal Publication Guidance (ROOM B)</b>
16:00-16:30	<b>Afternoon Refreshments, Group Photo</b>
18:30-20:30	<b>Banquet &amp; Awards Ceremony</b>
20:30	<b>Adjournment for the day</b>

## Day 3 (Onsite & ZOOM): Saturday, 12 November 2022

08:30-17:00	Registration (ROOM A)
09:00-09:30	<p><b>09:00-09:30 Keynote Session</b>  <b>Chair: Prof. Dr. Hiroyuki Ii</b>  <b>Speaker: Prof. Dr. Hiroyuki Yaguchi</b>            Title: DEVELOPMENT OF A NEW VIBRATION ACTUATOR FOR INSPECTION OF LARGE IRON STRUCTURES</p>
09:30-10:30	<p><b>09:30-10:30 Oral/Poster Session 9 (ROOM B) Saturday, 12 November 2022</b>  <b>Chair: Prof. Nazar Oukaili</b>            (s8657, s8661, s8676, s8680, s8678, s8512)</p> <p>s8657 EVACUATION RISK ASSESSMENT OF FLOODED SLOPING ROAD IN THE CITY OF KAMAISHI Yuriko Matsubayashi and Mako Ebina</p> <p>s8661 EXPERIMENTAL STUDY ON ECO-BINARY MORTAR AT HIGH -TEMPERATURE EXPOSURE R.A Malek and S. Gooven</p> <p>s8676 FAULT DETECTION USING PALSAR-1/2 IMAGE DATA FOR GROUNDWATER ANALYSIS (STUDY AREA: CENTRAL AND SOUTHWEST OF DJIBOUTI) Yessy Arvelyna, Sawahiko Shimada, Sergio Azael May Cuevas and Fadoumo Ali Malow</p> <p>s8680 ANAYSIS OF UNREINFORCED CONCRETE BEAMSON SOIL BY FINITE ELEMENTS Radhi Alzubaidi, Husain M Husain and Samir Shukur</p> <p>s8678 THE EFFECTS OF RICE HUSK ASH DOSAGE ON COMPRESSIBILITY AND MICROSTRUCTURAL DEVELOPMENT OF STABILIZED CALCITE-RICH RIVER SLUDGE Alex Otieno Owino and Zakaria Hossain</p>

# SEE 2022 – PROGRAM DETAILS

09:30-10:30	<p>s8512 TORSIONAL BEHAVIOR OF SPANDREL REINFORCED CONCRETE BEAMS Noor Ayaad and Nazar Oukaili</p> <p><b><u>09:30-10:30 Oral/Poster Session 10 (ROOM C) Saturday, 12 November 2022</u></b> <b>Chair: Prof. Dr. John Smith</b> (s8547, s8515, s8555, s8558, s8560, s8566)</p> <p>s8547 WATER AND SANITATION SERVICE: A PRIORITY TO IMPROVE QUALITY OF SLUM AREAS IN PONTIANAK CITY BASED ON STAKEHOLDERS’ PREFERENCES Zulfa Amala, Ahmad Soleh Setiyawan, Prasanti Widayasih Sarli, Prayatni Soewondo and Dion Awfa</p> <p>s8515 POTENTIAL FOR DESCENDING METEORIC WATER RECHARGE IN HYDROTHERMAL SYSTEMS AS A PATHWAY FOR CARBON DIOXIDE SEQUESTRATION John Victor Smith</p> <p>s8555 THE CHARACTERISTICS AND DISTRIBUTION OF DEEP GROUNDWATER IN DJIBOUTI Yasuhiro Asakura, Sawahiko Shimada, Ko Hinokidani and Yasuhiro Nakanishi</p> <p>s8558 HYDROCHEMICAL CHARACTERISTIC OF THE EASTERN SLOPES OF MOUNT KARANG, WEST JAVA, INDONESIA Hadi Hidayat, Deden Zaenudin and Boy Yoseph CSS Syah Alam</p> <p>s8560 RELATIONSHIP BETWEEN THE LIVING ENVIRONMENT AND THE SENSE OF TIME-SPACE Kazuki Miyake and Kazunari Tanaka</p> <p>s8566 A REVIEW OF THE CURRENT LEGISLATION ON WASTE MANAGEMENT IN DEVELOPING AND DEVELOPED COUNTRIES Kylie Douglas, Daniela Ionescu, Joe Petrolito and Bandita Mainali</p>
10:30-11:00	<p><b>Morning Refreshments</b></p>
11:00-12:00	<p><b><u>11:00-12:00 Oral/Poster Session 11 (ROOM B) Saturday, 12 November 2022</u></b> <b>Chair: Dr. Beti Nurbaiti</b> (s8567, s8568, s8569, s8570, s8576, s8581)</p> <p>s8567 THE IMPACT OF THE COVID-19 PANDEMIC ON RESORT AREAS AND ITS RELEVANT TO AGRICULTURAL MARKETS -A CASE STUDY OF KARUIZAWA, NAGANO PREFECTURE, JAPAN- Reiko Machida, Yuya Mikami, Waya Kobayashi, Nobuhiko Tanaka, Teruaki Irie, Hijiri Sjimojima, Tomohiro Kimata and Shigeyuki Miyabayashi</p> <p>s8568 SOCIAL COSTS BY OCCURRING ROADKILL OF AMAMI RABBIT IN KAGOSHIMA, JAPAN Hideyuki Ito, Yosuke Imahashi and Takahiro Fujii</p> <p>s8569 DETECTION OF GEOGRAPHIC FRACTURE-FAULT STRUCTURES USING DEEP LEARNING MODEL WITH STEPWISE ELIMINATION METHOD FROM HIGH RESOLUTION SATELLITE IMAGERY IN DJIBOUTI Denis Pastory Rubanga, Sergio Azael May Cuevas, Yessy Arvelyna and Sawahiko Shimada</p> <p>s8570 IMPUTATION OF OUTLIERS AND MISSING VALUES FOR ACTIVATED SLUDGE DISSOLVED OXYGEN DATABASE USING MULTIVARIATE IMPUTATION BY CHAINED EQUATIONS (MICE) Hatem Nijim and Rabee Rustum</p> <p>s8576 THE EFFECT OF FLEXIBLE WORKING ARRANGEMENT AND WORK LIFE BALANCE ON EMPLOYEE PRODUCTIVITY IN GOVERNMENT OFFICES IN BEKASI CITY, WEST JAVA Beti Nurbaiti, Waluyo and Dwi Setyowati</p> <p>s8581 ACOUSTIC EMISSION OF INTERNAL DRAINAGE IN MULTI-STOREY BUILDINGS Anaabo Chike Emmanuel, Rabee Rustum, Lynne B Jack and Adebayo J. Adeloye</p>

# SEE 2022 – PROGRAM DETAILS

11:00-12:00	<p><b><u>11:00-12:00 Oral/Poster Session 12 (ROOM C) Saturday, 12 November 2022</u></b>  <b>Chair: Dr. Ari Sugiarto</b>  (s8584, s8588, s8593, s8594, s8595, s8603)</p> <p>s8584 INFRASTRUCTURE IMPACTS CALCULATOR: AN INFRASTRUCTURE ASSESSMENT TOOL USING CO-BENEFIT APPROACH  Nicanor R. Roxas, Jr., Krister Ian Daniel Z. Roquel, Krista Danielle S. Yu, Alerik Ezekiel C. Ruiz and Alexis M. Fillone</p> <p>s8588 GROWTH CHARACTERISTICS OF PINUS DENSIFLORA IN SIMULATED HEAVY METAL CONTAMINATED SOIL  Takuma Kubohara, Hiroyuki Ii, Ryoichi Araki and Masakazu Saito</p> <p>s8593 ANALYSIS OF FLOOD FLOW RATE CALCULATE FROM PRECIPITATION AT TYPHOON NO.19 IN 2019 IN THE ABUKUMA RIVER BASIN  Masanobu Taniguchi</p> <p>s8594 ANALYSIS OF SEASONAL AND SECULAR VARIATIONS IN DISSOLVED OXYGEN CONCENTRATION AT THE BOTTOM OF LAKE BIWA, JAPAN  Jinichi Koue</p> <p>s8595 GREEN PROCESS FOR CRUDE PALM OIL BIODIESEL PRODUCTION USING COMMERCIAL LIPASE ENZYME  Mallika Tapanwong, Rayakorn Nokkaew, Pinsuda Viravathana and Vittaya Punsuvon</p> <p>s8603 QUANTIFICATION OF HYDRATION PRODUCTS IN RICE HUSK ASH (RHA)-BLENDED CEMENT CONCRETE WITH CRUMB WASTE RUBBER TIRES (CWRT) &amp; ITS CORRELATION WITH MECHANICAL PERFORMANCE  John Mark L. David, Richard M. De Jesus and Rodolfo P. Mendoza</p>
12:00-13:00	<p><b>Lunch</b></p>
13:00-14:00	<p><b><u>13:00-14:00 Oral/Poster Session 13 (ROOM B) Saturday, 12 November 2022</u></b>  <b>Chair: Dr. Rabee Rustum</b>  (s8605, s8608, s8609, s8614, s8615, s8626, s8647)</p> <p>s8605 FEASIBILITY STUDY FOR ENVIRONMENTALLY FRIENDLY PROCESS IN PREMIUM CRUDE PALM OIL PRODUCTION  Sureerat Namwong, Vittaya Punsuwan, Pinsuda Viravathana and Rayakorn Nokkaew</p> <p>s8608 TUNGSTEN, COPPER, MANGANESE, ZINC, IRON AND ARSENIC CONCENTRATIONS OF PLANTS IN KIWADA MINE  Daiki Yamamoto and Hiroyuki Ii</p> <p>s8609 DIFFERENCES IN PLANTS HEAVY METAL CONCENTRATIONS BY REGION  Takuya Ueda and Hiroyuki Ii</p> <p>s8614 A STUDY ON APPLICATION POSSIBILITY OF WOODEN BIOMASS COMBUSTION ASH MODIFIED BY FLOTATION METHOD AS CONCRETE ADMIXTURE  Shilun Liu, Koji Takasu, Hidehiro Koyamada and Hiroki Suyama</p> <p>s8615 EXAMINING WATER ENVIRONMENT DATA FOR AN ARTIFICIAL INTELLIGENCE EVALUATION MODEL  Shengping Zhang and Jie Qi</p>

# SEE 2022 – PROGRAM DETAILS

	<p>s8626 FEASIBILITY OF USING BAUXITE RESIDUE STABILIZED WITH CEMENT KILN DUST FOR GEOTECHNICAL APPLICATIONS Mohamed Farid Abbas and Sultan Abdulaziz Almuaythir</p> <p><b><u>13:00-14:00 Oral/Poster Session 14 (ROOM C) Saturday, 12 November 2022</u></b> <b>Chair: Prof. Zakaria Hossain</b> (s8632, s8635, s8643, s8647, s8659, s8667)</p> <p>s8632 MODELING ADSORPTION OF HEXAVALENT CHROMIUM USING A LOW-COST JORDANIAN OLIVE STONE WASTE ADSORBENT Aymen Awad</p> <p>s8635 EFFECT OF LANDCOVER CHANGE ON LAND SURFACE TEMPERATURE IN THE URBANIZED AREA Agus Suharyanto</p> <p>s8643 SURVEY ON RESIDENTS' AWARENESS TO BUILD THE SYSTEM OF RESIDENTS'-PARTICIPATION MONITORING FOR SLOPE DISASTER PREVENTION USING THE TILT SENSORS Zhijun Tang, Yoshikazu Miyamoto, Shusuke Oji and Hisashi Fujitani</p> <p>s8647 CONCRETE BEHAVIOR USING RECYCLED WASTEWATER Khaled Mohamed Nabil I. Elsayed, Gerald Benjamin Felipe Guico and Rabee Rustum</p> <p>s8659 LOW-COST TECHNOLOGY FOR HERITAGE BUILDINGS DOCUMENTATION Yohannes Firzal, Reni Suryanita, M. Arief Al Husaini and Nangkula Utaberta</p> <p>s8667 APPLICATION OF DESIGN FOR MANUFACTURING AND ASSEMBLY ON TEMPORARY SHELTERS IN THE PHILIPPINES Cheryl Lyne C. Roxas, Orlean G. Dela Cruz, Rhem Leoric C. Dela Cruz, John Paul Q. De Pedro, Jonathan R. Dungca, Bernardo A. Lejano and Jason Maximino C. Ongpeng</p>
13:00-14:00	
14:00-14:30	<b>Journal Publication Guidance (ROOM B)</b>
14:30-15:00	<b>Afternoon Refreshments, Group Photo</b>
15:00	<b>Closure of Conference</b>

## Day 4: Sunday, 13 November 2022

13:00-17:00	<b>Technical Tour</b>
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# General Information

## FREQUENTLY ASKED QUESTIONS (FAQ)

1) Are participants allowed to shuffle between Rooms B and C 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 10-12 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.

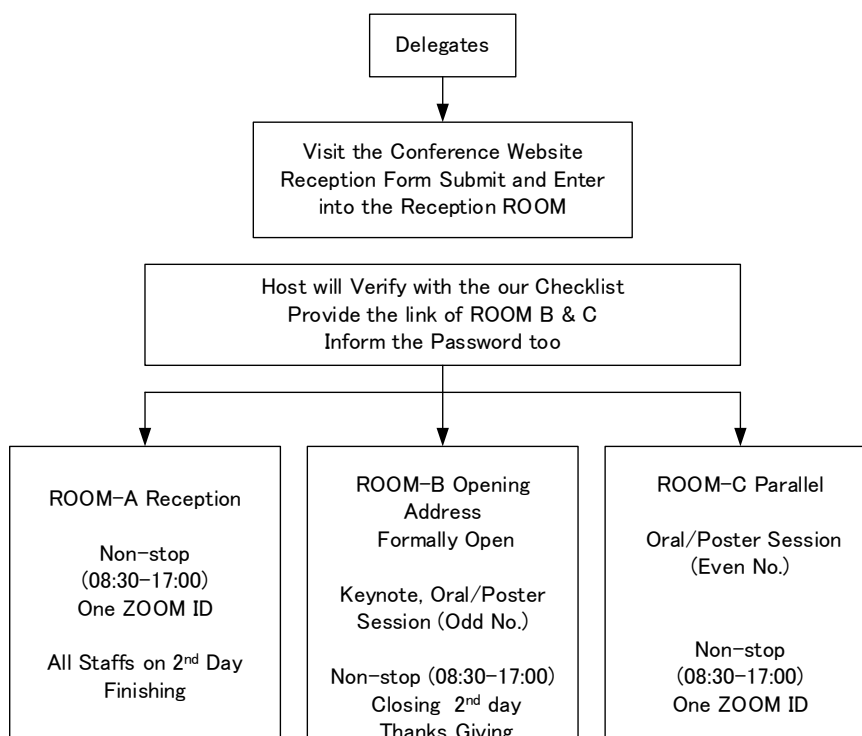
5) Is it still necessary to prepare a poster?

Ans: It depends on the presenter's preference to present orally using ppt, pptx, pdf, or poster.

6) When is the deadline for submission of the presentation files?

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

Work Flow:



## **General Information**

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

Our staff's Room is ROOM A. It is the same as the reception room and Common Room. The reception room will have a checklist, and an email list of all participants and verify each ID or participant. This Room will guide anyone on how to change the name in ID, Q & A procedure, Timing according to the program, etc.

Keynote/Technical ROOM (B) will display the banner (backdrop) with Time-Frame, Session Chair name, and paper ID of each session during the break-time before each session.

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 and 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.



## General Information

### ACCESS INFORMATION

#### MIYAKO HOTEL YOKKAICHI

<https://global.miyakohotels.ne.jp/yokkaichi/>

1-3-38, Yasujima, Yokkaichi City, Mie 510-0075, Japan

Tel: +81-59-352-4131

Fax: +81-59-352-4141

#### FROM AIRPORT

About an 80-minutes bus ride from the CHUBU CENTRAIR INTERNATIONAL AIRPORT

#### BY TRAIN

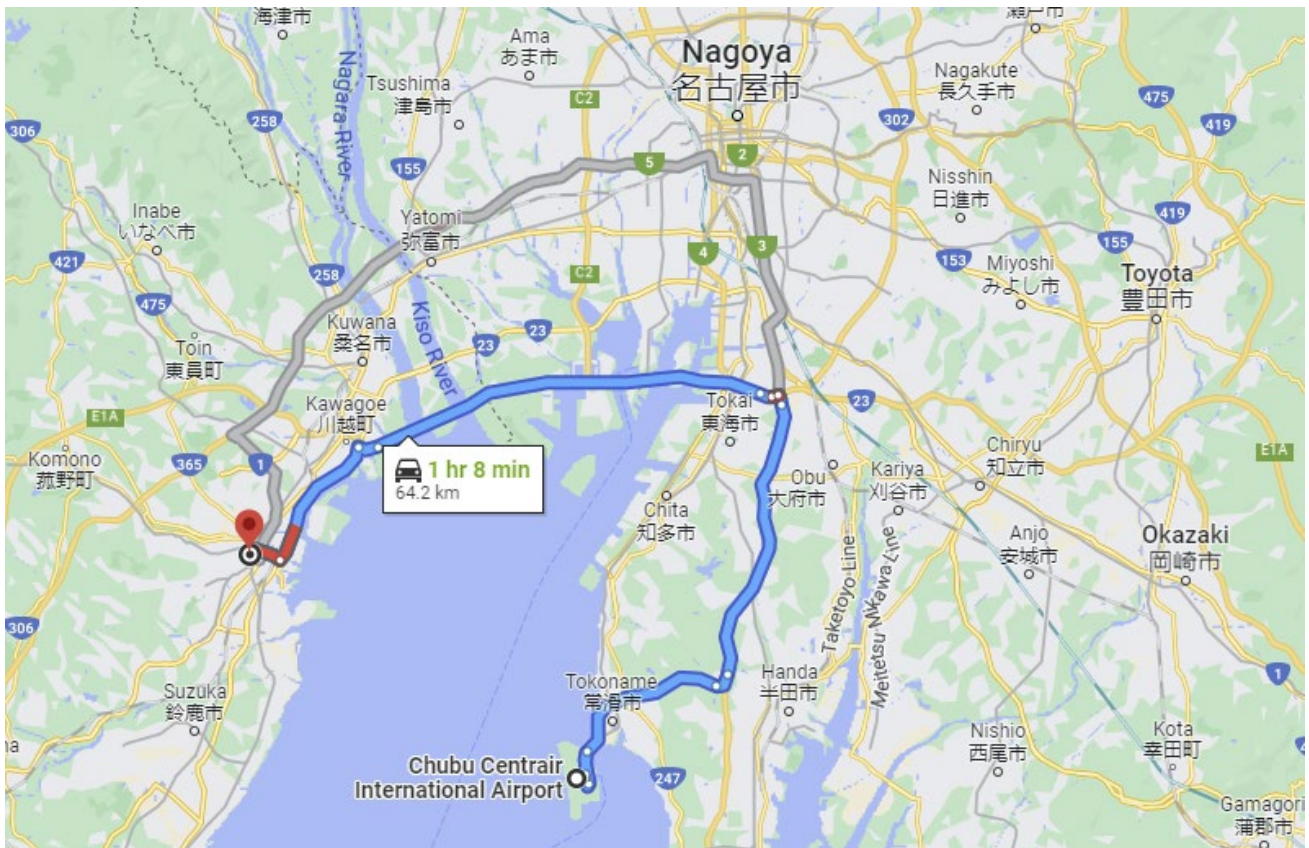
3-minutes walk from the north exit of KINTETSU-YOKKAICHI Station

#### BY CAR

Exit at Yokkaichi IC on the Higashi Meihan Motorways, and drive 15 minutes from there

Parking fee (including consumption tax)

500 JPY per hour



**General Information**

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