

Technical Program

Day 1 Wednesday, October 25th,2023

Venue: Tunjungan Grand Ballroom, Double Tree Hotel Surabaya

| Time (GMT+7) | Agenda |
|---------------------|--|
| 07:00-09:00 | Registration and Preparation |
| 09:00-09:05 | Opening Ceremony |
| 09:05-09:25 | Performance "Saman Dance" |
| 09:25-09:30 | National Anthem "Indonesia Raya" and Hymne ITS |
| 09:30-09:35 | Welcome Speech from Dean of Civil, Plan and Geo Engineering - Institut Teknologi Sepuluh Nopember Dr. Ir. Murni Rachmawati M.T. |
| 09:35-09:40 | Welcome Speech from Chairman of the ITS Alumni Association (IKA ITS), The chairman of civil engineering chapter - Institution of Engineers Indonesia Ir. Sutopo Kristianto, M.M, IPU |
| 09:40-09:45 | Welcome Speech from Rector of Institut Teknologi Sepuluh Nopember Prof. Dr. Ir. Mochamad Ashari M. Eng., IPU, A.Eng |
| 09:45-10:05 | Welcome Speech from Minister of Public Works and Public Housing Dr. (H.C.) Ir. H. Basuki Hadimoeljono, M.Sc, Ph.D. |
| 10:05-10:20 | Giving Appreciation, Documentation, Inauguration of Events and Videos |
| 10:20-10:35 | Coffee Break |

| Time (GMT+7) | Agenda |
|--------------|---|
| 10:35-11:05 | Keynote Speaker I Prof. Amira Osman from Department of Architecture at the Tshwane University of Technology, South Africa |
| 11:05-11:35 | Keynote Speaker II Prof. Ir. Dr. Siti Rozaimah Sheikh Abdullah from Faculty of Engineering and Built Environment, Universiti Kebangsaan Malaysia (UKM), Malaysia |
| 11:35-12:05 | Keynote Speaker III Prof. Ir. Dwikorita Karnawati, M.Sc. Ph.D. from Head of the Indonesian Metereology, Climatology, and Geographycs Agency (BMKG) |
| 12:05-12:20 | QnA |
| 12:20-13:20 | Lunch Break |
| 13:20-13:50 | Keynote Speaker IV Prof. Indrasurya B. Mochtar from Institut Teknologi Sepuluh Nopember, Indonesia |
| 13:50-14:20 | Keynote Speaker V Prof. Chien-Kuo Chiu from National Taiwan University Science and Technology, Taiwan |
| 14:20-14:50 | Keynote Speaker VI Dr. Abdul Halim Abdul Latiff from Centre for subsurface Imaging (CSI), Universiti Teknologi Petronas (UTP), Malaysia |
| 14:50-15:05 | QnA |
| 15:05-15:20 | Afternoon Break |

| Time (GMT+7) | Agenda |
|---------------------|--|
| 15:20-15:50 | Keynote Speaker VII Prof. Ir. Tan Yigitcanlar from School of Architecture and Build Environment, Faculty of Engineering, Queensland University of Technology, Australia |
| 15:50-16:20 | Keynote Speaker VIII Dr. Rulli Pratiwi Setiawan ST, M.Sc. PhD from Department of Urban and Regional Planning, Institut Teknologi Sepuluh Nopember (ITS), Indonesia |
| 16:20-16:50 | Keynote Speaker IX Setyo Nugroho, ST, MT, Ph.D. from Department of Architecture, Institut Teknologi Sepuluh Nopember (ITS), Indonesia |
| 16:50-17:05 | QnA |
| 17:05-17:20 | Closing Session First Day |

Day 2 Thursday, October 26th,2023

Venue: Double Tree Hotel Surabaya

| Time (GMT +7) | Agenda | Room |
|---------------|--|--------------------------------|
| 07:00 - 08:00 | Registration | Tunjungan Grand Ballroom |
| 08:00 - 08:15 | Opening Ceremony | |
| 08:15 - 08:35 | Keynote Speaker I Prof. Triwulan from Department of Civil Engineering Institut Teknologi Sepuluh Nopember (ITS), Surabaya, Indonesia Moderated by Ahmad Basshofi Habieb, PhD | |
| 08:35 - 08:55 | Keynote Speaker II Prof. Noor Endah from Department of Civil Engineering Institut Teknologi Sepuluh Nopember (ITS), Surabaya, Indonesia Moderated by Dr. Yudhi Lastiasih | |
| 08:55 - 09:30 | Sponsor Sessions & Coffe Break | |
| 09:30 – 16:30 | Parallel Session I and II * | Parallel Room* (Room A, B,C,D) |
| 12:00 - 13:00 | Lunch Break | |
| 13:00 - 17:00 | Parallel Session III and IV* | |
| 17:00 - 17:30 | Closing Ceremony | Tunjungan Grand Ballroom |

* = Detail Attached (Please check carefully); Coffee break time to be adjusted

Parallel Session I

Room A

| Time (GMT +7) | Name of Presenter | Title |
|--------------------------|------------------------------|--|
| 09:30-09:45 | Ahmad Utanaka | Analysis of Provincial Road Damage Handling in Singojuruh District, Banyuwangi Regency |
| 09:45-10:00 | Akbar Bayu Kresno Suharso | Analysis of Road Damage Using the Pavement Condition Index Method on The Surabaya – Gresik Toll Road, East Java |
| 10:00-10:15 | Anak Agung Gde Kartika | Modelling the Volume of on-street Parking at Beach Tourism Objects in Bali Based on the Available Parking Lots Units |
| 10:15-10:30 | Armando Jr. | Traffic Management: An Evaluation of Traffic Congestion |
| 10:30-10:45 | Aulia Dewi Fatikasari | Analysis of Rigid Pavement Thickness for the Expansion of Zainuddin Abdul Madjid International Airport (BIZAM) Apron |

Room B

| Time (GMT +7) | Name of Presenter | Title |
|--------------------------|------------------------------|--|
| 09:30-09:45 | Orlean Dela Cruz | Analytic Hierarchy Process in the Evaluation of Transport Equity in Urban City: A Case of Iloilo City, Philippines |
| 09:45-10:00 | Hera Widayastuti | Analyzing and Predicting Traffic Accidents on Toll Roads in East Java, Indonesia: A Poisson and Binomial Regression Model Approach |
| 10:00-10:15 | Michael | Asphalt Mixture Stability Improvement Using Aren Fruit Waste Ash as Additional Filler |

| Time (GMT +7) | Name of Presenter | Title |
|----------------------|--------------------------|---|
| 10:15-10:30 | Muhamad Willdan | A Comparison Study of Public Transport Subsidy in Indonesia and Abroad: Policy Insights |
| 10:30-10:45 | Muslich Hartadi Sutanto | Study on The Design of Pavement using Cold In Place Recycled Pavement |

Room C

| Time (GMT +7) | Name of Presenter | Title |
|----------------------|--------------------------|---|
| 09:30-09:45 | Pangestu B Darmo | Measuring Performance by Using Indonesian Highway Capacity Guideline for Geometric Improvement With Flat Grade On National Road In Tajuk Enang-Enang, Bener Meriah Regency - Nangroe Aceh Darussalam Province |
| 09:45-10:00 | Purnawan | Important Factors of Transportation That Can Improve The Quality of Tourist Travel in Bukittinggi |
| 10:00-10:15 | Ravniar Kunaifi | Identification And Risk Control In Projects "Preservasi Jalan dan Jembatan Surabaya – Sidoarjo" |
| 10:15-10:30 | Siswoyo | Remaining Life of Flexible Pavement at Pulang Pisau-Pangkoh Road, Central Kalimantan |
| 10:30-10:45 | Sutoyo | Strategy for Designing Asphalt Mixture for Heavy Traffic by Modifiing Open Aggregate Gradation |
| 10:45-11:00 | Wahju Herijanto | Demand on Route and Mode Types in Street-Based Transit Systems in Surabaya |
| 11:00-11:15 | Wahyu Satyaning Budhi | Identifying Traffic Accident Trends and Black Spot Locations on National Road (A Case Study: Rogojampi – Kabat, Banyuwangi) |

Room D

| Time (GMT +7) | Name of Presenter | Title |
|--------------------------|------------------------------|--|
| 09:30-09:45 | Jan Cervenka | Nonlinear Analyses for Design of Safety Critical Concrete Structures |
| 09:45-10:00 | Nia Dwi Puspitasari | A Comparative Investigation of the Flexural Performance in Various Steel Truss Bridge Configurations |
| 10:00-10:15 | Rendy Thamrin | Experimental Study of Shear Strength of Reinforced Concrete I Beams without Strirrups |
| 10:15-10:30 | Renz Brixter B. Lingamen | Seismic Risk Assessment of Structures: A Review of its methods and applications |
| 10:30-10:45 | Soebagio | Piping Repair Method at Tinggar Buntut Barrage Mojokerto, East Java |
| 10:45-11:00 | Sugihardjo | An Analitical Study on Aerodynamic Stability of the Diagonal Arch Bridge |
| 11:00-11:15 | Yanti Puji Rahayu | Numerical Study of Embedded Length Effect in Pocket Column Connection |

Parallel Session II

Room A

| Time (GMT +7) | Name of Presenter | Title |
|--------------------------|------------------------------|---|
| 10:45-11:00 | Budi Yulianto | Policy on the Use of Batik Solo Trans Urban Public Transport with the “Stick and Carrot” Strategy in Surakarta City |
| 11:00-11:15 | Christian Gerald Daniel | Behaviour of Synthetic Polymer-Modified Warm Mix Asphalt Under Oven Ageing Simulation |
| 11:15-11:30 | Dominik G. Rebo Ule | Effect of Overloaded Vehicles on Pavement Design |
| 11:30-11:45 | Eko Prihartanto | Transportation Infrastructure Resilience Model Using MICMAC Analysis (Variable Identification Phase) |

| Time (GMT +7) | Name of Presenter | Title |
|----------------------|--------------------------|---|
| 11:45-12:00 | Hera Widyastuti | Assessing Road Users' Willingness to Pay for Toll Road Usage: A Study on Travel Behavior in Indonesia |

Room B

| Time (GMT +7) | Name of Presenter | Title |
|----------------------|--------------------------|---|
| 10:45-11:00 | Amalia Rizka Sugiarto | Sustainable Reconstruction Plan of Abrasion Affected Areas Based on Spatial Planning and Risk Management: A Case Study in Karawang Regency, Indonesia |
| 11:00-11:15 | Elfin Kurniawan | Implementation Of Project Management With 5on (On Safety, On Time, On Scope, On Quality, On Cost) In Electricity Infrastructure Development Projects |
| 11:15-11:30 | Febrian Aditama Santosa | Optimization Tower Crane Location Based on Genetic Algorithm: Systematic Literature |
| 11:30-11:45 | Harijanto Setiawan | The Impact of Competitive Capability on Innovation Ability: a Study of Contractors in Indonesia |
| 11:45-12:00 | Kartika Puspa Negara | On-Site Safety Knowledge Sharing Flow in Construction Projects: A Case Study in Indonesia |

Room C

| Time (GMT +7) | Name of Presenter | Title |
|----------------------|--------------------------|---|
| 11:15-11:30 | Prima Sukma Yuana | Development of Beam-Column Connection in Special Moment Resisting Frame Steel Structures |
| 11:30-11:45 | Rentaro Uchinishi | Effect of Analytical Parameters on the FE Analysis with the Smeared Crack Model of RC Beams without Shear Reinforcement |

| Time (GMT +7) | Name of Presenter | Title |
|--------------------------|------------------------------|--|
| 11:45-12:00 | Yanisfa Septiarsilia | Evaluation of Beam-Column Connection Capacity According to SNI 2847-2019 and SNI 1726-2019 |

Room D

| Time (GMT +7) | Name of Presenter | Title |
|--------------------------|------------------------------|--|
| 11:15-11:30 | Ng Cheng Yee | A Feasibility Study on Electrification of Central Processing Platform with Hydrokinetic Turbines |
| 11:30-11:45 | Rosmariani Arifuddin | Development of Occupational Safety Audit Based on Risk Management Approach in Design-Build Contract in Building Project: A Concept Framework |
| 11:45-12:00 | Wesam Salah Alaloul | Role of the Construction Industry in Achieving the Sustainable Goal Development: A Review |

Parallel Session III**Room A**

| Time (GMT +7) | Name of Presenter | Title |
|--------------------------|------------------------------|--|
| 13:00-13:15 | Arik Triarso | Analysis of Lateral Bearing Capacity of Drilled Pile Foundations in Kidney Center Building Planning - Malang |
| 13:15-13:30 | Cintantya Budi Casita | An Overview of Research Investigating the Behavior of Reduced Beam Section Connections |
| 13:30-13:45 | Dadang Dwi Pranowo | Fly Ash Waste Utilization as Concrete Mixtures In U-Shaped Precast Ferrocement Concrete Product |

| Time (GMT +7) | Name of Presenter | Title |
|--------------------------|------------------------------|--|
| 13:45-14:00 | Danang Setiya Raharja | Comparative Study of Conventional Cantilever Wall and Mechanically Stabilized Earth Wall for Slope Failure Remediation |
| 14:00-14:15 | Dian Roby Sugara | Development of Hollow Tubular Flange Girders as An Alternative to Cold-Formed Steel Profile and Its Structural Behavior |

Room B

| Time (GMT +7) | Name of Presenter | Title |
|--------------------------|-------------------------------|---|
| 13:00-13:15 | AAA Made Cahaya Wardani | Risk Mitigation Analysis On Bali's Traditional Heritage Building Restoration Project |
| 13:15-13:30 | Dyah Widyaningrum | Analysis of the Impact of Land Use Change on Flood Discharge in the Ameroro River, Konawe Regency |
| 13:30-13:45 | Eka Oktariyanto Nugroho | The Relations of Wave Characteristics and Pile Group Foundation on Light Beacon Port Harbour, Study Case: PPS Nizam Zachman Jakarta Indonesia |
| 13:45-14:00 | Fatma Nurkhaerani | Evaluation and Simulation of The Operation Pattern of The Ir. H. Djuanda Reservoir |
| 14:00-14:15 | Gilang Id'fi | The Effect of Tailwater on the USBR Type III Stilling Basin Model |

Room C

| Time (GMT +7) | Name of Presenter | Title |
|--------------------------|------------------------------|---|
| 13:00-13:15 | Ahmad Basshofi Habieb | Retrofitting of confined masonry wall using multi layer wiremesh: A numerical study |

| Time (GMT +7) | Name of Presenter | Title |
|----------------------|-----------------------------|--|
| 13:15-13:30 | Budi Suswanto, ST, MT, Ph.D | Performance Analysis of Eccentrically Braced Frames (EBF) Using Metallic Yielding Damper (MYD) with Hysteretic Steel Damper (HSD) Type |
| 13:30-13:45 | Candra Irawan | Development of User Constitutive Models for Confined Concrete in ABAQUS |
| 13:45-14:00 | Data Iranata | Static Non-Linear Modeling of Low-Rise Cold-Formed Steel Housing in Indonesia |
| 14:00-14:15 | Isyana Ratna Hapsari | Strategies for Selecting Infilled Frame Models for Seismic Performance: Meso And Macro Models |

Room D

| Time (GMT +7) | Name of Presenter | Title |
|----------------------|-----------------------------|--|
| 13:00-13:15 | Isnaniati | Study of Changes in Ultimate Bearing Capacity of Shallow Foundations in Clay Soils of Soft to Medium Consistency After Reinforcement of Micro-piles Through Models in the Laboratory |
| 13:15-13:30 | KPL. Nurul Intifada | Stabilization of Expansive Clay Soil Using Phosphoric Acid Chemicals from Chicken Bone Waste |
| 13:30-13:45 | Mohamed Mubarak Abdul Wahab | Investigation On Combined Raft and Pile Foundation on Dif-ferent Soil Types |
| 13:45-14:00 | Muhammad Aizzuddin Abdullah | A comparative study of seismic characteristics between Distributed Acoustic Sensing (DAS) and conventional geophones. |

| Time (GMT +7) | Name of Presenter | Title |
|--------------------------|----------------------------------|---|
| 14:00-14:15 | Muhammad Yusoff Mohd Nasir | Surface Settlement Caused by Pipe Jacking Works Crossing KL- Seremban Highway, Malaysia |
| 14:15-14:30 | Noor Endah Mochtar | Behavioral Change of The Bacterially Decomposed Fibrous Tropical Peat Stabilized with Lime CaCO ₃ and Fly Ash |
| 14:30-14:45 | Yudhi Lastiasih | Study of Shallow Foundation for Runway with Liquefaction Effect |

Parallel Session IV**Room A**

| Time (GMT +7) | Name of Presenter | Title |
|--------------------------|------------------------------|---|
| 14:15-14:30 | Dita Kamarul Fitriyah | Study of Dynamic Behavior of Truss Bridge Structures Due to Moving Load |
| 14:30-14:45 | Endah Safitri | The Impact Strength of High Strength Self-Compacting Concrete with Metakaolin and Silica Fume |
| 14:45-15:00 | Januarti Jaya Ekaputri | Utilization of High-Volume Fly Ash and Bottom Ash for Artificial Aggregates in Pervious Concrete |
| 15:00-15:15 | Muhammad Akbar Hardian | Effects of Degree of Bending (Dob) in Multi-Planar Dtky Tubular Joint on The Stress Concentration and Intensity Factors for Fatigue Assessment of Offshore Structures |
| 15:15-15:30 | Obianuju Udeze | The Use of Suitable Design Mix Proportion of Graphene Oxide and Fly Ash Additives in High-Density Concrete for Offshore Applications |

Room B

| Time (GMT +7) | Name of Presenter | Title |
|--------------------------|------------------------------|---|
| 14:15-14:30 | Hafizhah Ashilah | Evaluation of Bondoyudo River Flood (Case Study of Ngargosari Subdistrict Section) |
| 14:30-14:45 | Hary Puji Astuti | Analysis of Situ Lembang Dam Break Due to Piping and Overtopping on Downstream Inundation |
| 14:45-15:00 | Ivan Kurniawan | Evaluation of Discharge Calculation in Open Pit Mining PT Maruwai Coal, Central Borneo. |
| 15:00-15:15 | Martheana Kencanawati | An Advanced Empirical NRCS-CN Model Estimation For Ungauged Catchment Insufficient Data |
| 15:15-15:30 | Mohamad Bagus Ansori | Sensitivity Analysis of HEC-RAS 2D Hydrodynamics Meteorological Rain-On-Grid on Observed Watershed: A Case Study of Lesti Sub-Watershed |

Room C

| Time (GMT +7) | Name of Presenter | Title |
|--------------------------|------------------------------|---|
| 14:15-14:30 | Catur Bejo Santoso | The Investigation of Buk Putih Bangorejo Bridge Abutments Collapse Potential |
| 14:30-14:45 | Danang Setiya Raharja | Stability Evaluation Study of Foamed Mortar Embankment for Incline Road Rehabilitation Using the Finite Element Method |
| 14:45-15:00 | Dora Melati Nurita Sandi | Identification of Safety Factors and Soil Deformation Against Potential Landslide Hazard by Disturbed and Undisturbed Soil Boring Sampling in Kandangan Village, Pesanggaran District, Banyuwangi Regency |

| Time (GMT +7) | Name of Presenter | Title |
|---------------|-------------------|---|
| 15:00-15:15 | Fitria Wahyuni | Soil Consistency Prediction Based on Cone Penetration Test (CPT) using ANN (Artificial Neural Network) and Multinomial Regression (Case Study: Surabaya Region) |
| 15:15-15:30 | Himatul Farichah | Application of Microbially Induced Calcite Precipitation for Slope Stabilization: A Review |

Room D

| Time (GMT +7) | Name of Presenter | Title |
|---------------|---------------------|---|
| 15:00-15:15 | Nan Ady Wibowo | Impact of El Nino and La Nina Climate Anomalies on Precipitation and Water Availability in Upper Bogowonto River Basin 2003-2022 |
| 15:15-15:30 | Novi Andriany Teguh | Batu Flash Flood Modelling using HEC-HMS for Hydrological Prediction |
| 15:30-15:45 | Nur Azizah Affandy | Analyzing the Relationship between Hydro-Agricultural Drought Using a Causal Time Series Regression Model in the Corong River Basin |
| 15:45-16:00 | Tulus Dinastiyanto | Post Liquefaction Analisis Using Standart Penetration Test Data And Grain Size Distribution Test At Irrigation Canal In Sidera Village |
| 16:00-16:15 | Yuto Suzuki | Identification of the Local Environmental Condition Acting on Bridges over Tidal Rivers and Prediction of Future Deterioration |
| 16:15-16:30 | Zulis Erwanto | Identification of Hydrological Characteristics and Sediment Rates of Bird Feather Type Watersheds with SWAT Model: Case Study of Major Rivers of Banyuwangi Regency |