



TSSP in cooperation with the

Department of Civil Engineering College of Engineering and Agro-Industrial Technology University of the Philippines Los Baños

Sponsor





Theme: "Driving Smart Mobility Change: Innovations, Equity and Climate Resilience for a Connected Sustainable Future"

4 December 2025 (Thursday) SEARCA Complex, U.P. Los Baños, College, Laguna

	PROGRAM
Time	Activity
8:00 – 9:00 AM	Registration (Sam Arng Room)
	Plenary Session (Umali Auditorium)
9:00 – 9:30 AM	Opening Program
	- Invocation
	- National Anthem
	- Opening Remarks:
	Dr. Ma. Sheilah G. Napalang
	President, TSSP
	- Messages
	Hon. Neil Andrew N. Nocon
	Mayor, Municipality of Los Baños, Laguna
	Dr. Jose V. Camacho Jr.
	Chancellor, U.P. Los Baños
9:30 – 10:30 AM	Introduction of the Keynote Lecturer:
	Dr. Daniel L. Mabazza
	Board Member, TSSP
	Keynote Lecture:
	Beyond Models: Understanding Transportation as a
	Complex Adaptive System in the Age of Al
	Dr. Christopher P. Monterola
	Professor
	Aboitiz Chair in Data Science
	Head, Aboitiz School of Innovation, Technology, and
	Entrepreneurship
	Executive Managing Director, ACCeSs@AIM
	Academic Program Director, PhD in Data Science
	Asian Institute of Management (AIM)
10:30-10:45 AM	Picture-Taking & Coffee Break





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PROGRAM

Time	Activity
Plenary Session (Umali Auditorium)	
10:45-11:45 AM	Panel Discussion/Presentation
	Theme: Ensuring Equity in Pursuit of Smart Mobility
	Mr. Wilhansen Joseph Li Co-Founder, CTO Sakay Mobility Philippines Corp.
	Dr. Daniel Oviedo Hernandez Associate Professor, Development Planning Unit University College London
	Dr. Noriel Christopher C. Tiglao Professor, National College of Public Administration and Governance, University of the Philippines Diliman Co-founder, SafeTravelPH Mobility Innovations Organization Inc.
	Moderator: Dr. Crispin Emmanuel D. Diaz , Secretary, TSSP
11:45 - 12:00 NN	Open Forum
12:00 - 1:30 PM	Lunch (Makiling Lounge)

Program Facilitators:

Mr. Julshabar U. Halil and Mr. Junievin R. Ramillano Associate Members, TSSP





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Time	Activity
1:30 – 2:30 PM	Technical Session 1: Traffic Engineering & Management 1 Session Room 1: Saguiguit Room
	Chair: Dr. Sandy Mae A. Gaspay, TSSP Vice-President
	18-Measuring the Traffic Impacts of Tactical Urbanism: A Corridor and Intersection Analysis in Quezon City [Mark Laurence MICIANO, UPD]
	15-S-Park: Smart Parking System for Real-Time Tracking and Congestion Mitigation Validated Through PTV Vissim Simulation [Ralph Angelo ESTILLER, Cagayan State University]
	21-Estimation of Passenger Car Unit Values of Vehicles in Urban Arterial Roads Based on the Influence of the Neighboring Vehicles [Hamja JAAFAR, Zamboanga Peninsula Polytechnic State University]
	31-Determining an Optimal Intersection Traffic Management Design Through Microsimulation [Lindy Jane ANDO, Visayas State University]





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Time	Activity
1:30 – 2:30 PM	Technical Session 2: Transport Planning 1 Session Room 2: Umali Auditorium
	Chair: Dr. Daniel L. Mabazza, TSSP Board Member
	13-Modelling Airport Noise Pollution & Its Potential Impacts on Public Health: A Case Study of Tuguegarao Domestic Airport [Ralph Angelo ESTILLER, Cagayan State University]
	11-Developing an MS-Excel Based Tool for Multi-Regional Economic Assessment Using an Input-Output Approach: Case of the Philippine Regional Transport Infrastructure Development [Krister lan Daniel ROQUEL, National University]
	16-Understanding Inland Water Transportation and Exploring Its Role in Tourism: the Case of Navotas – Malabon River Boats, Metro Manila, Philippines for Sustainable and Resilient Transport [Patricia Joy AMIDAO, U.P. Diliman]
	32-Development of a National Travel Time and Delay Survey Methodology using Smartphone-based Data Collection System [Noriel Christopher TIGLAO, U.P. Diliman]





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Time	Activity
1:30 – 2:30 PM	Technical Session 3: Transport Policy
	Session Room 3: Drilon Hall
	Chair: Dr. Ma. Sheilah G. Napalang, TSSP President
	O9-Public Transport Modernization Program in Nueva Ecija: Benefits, Challenges, and Recommendations in Transitioning from Traditional to Modern Public Utility Jeepney [Francis Harvey VALDEZ, Central Luzon State University]
	12-From Patchwork to Perspicacity: Fare Setting for Multimodal Transit in Developing Countries [Rene SANTIAGO, Bellwether Advisory]
	• 14-Assessing PUV Modernization Program Industry Consolidation and Financing Towards Just Transition for Transport Workers [Ramir Seraphim ANGELES, Move As One Coalition]
	20-Empowering LGUs in Public Transport Provision through Franchise Policy Reform [Jose Alvaro PACHECO, The Asia Foundation]





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Time	Activity
2:30 - 3:30 PM	Technical Session 4: Traffic and Weather Session Room 1: Saguiguit Room Chair: Dr. Ernesto B. Abaya, TSSP Regular Member • 22-Impacts of Extreme Flooding Event on the Volume-to-Capacity Ratio of Major Road Networks: The Case of Tuguegarao City [Ralph Angelo ESTILLER, Cagayan State University] • 28-Calibration and Validation of a Weather—responsive Estimation and Prediction System of a Macroscopic Traffic Flow Model [Hanzel MEJIA, Visayas State University] • 29-Empirical Proof of the Characteristics of the Queue Discharge Rate under Different Rainfall Conditions on an Active On-Ramp Bottleneck [Hanzel MEJIA, Visayas State University]
3:30 - 3:45 PM	Coffee Break





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Time	Activity
2:30 - 3:30 PM	Technical Session 5: Transport Planning 2 Session Room 2: Umali Auditorium Chair: <i>Dr. Marie Danielle V. Guillen, TSSP Board Member</i> • 23-Comparative Analysis of Transportation Mode Choices Between Students of the University of the Philippines Diliman (UPD) and the Ateneo de Manila University (ADMU) [<i>Crisaulo REYNOSO, U.P. Los Baños</i>]
	 33-Exploring the Role of UP Campus as a Living Lab for Sustainable and Resilient Transport [Noriel Christopher TIGLAO, U.P. Diliman] 34-The Influence of School Travel Conditions on Academic
	Achievement and Well-Being of Schoolchildren: A Multi-Method Approach [Karen Joyce SANTIAGO, De La Salle University]
3:30 - 3:45 PM	Coffee Break





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Time	Activity
2:30 - 3:30 PM	Technical Session 6: Public Transport 1 Session Room 3: Drilon Hall Chair: Dr. Mark Joel B. Uaje, TSSP Associate Member • 01-Enhancement and Application of the Mode Transfer Quality Index (MTQI): The Case of MRT-3 [Adrian DAYON, U.P. Diliman] • 02-Optimizing Route-based Fleet Size Computation through
	Network-Based Modeling for Puerto Princesa City, Philippines [Ann Camille FAJARDO, SafeTravelPH] • 25-Improving Rural Accessibility through PUV Route Optimization: A Case Study of the Island Province of Guimaras [Lance Kenneth MAMUYAC, De La Salle University]
3:30 - 3:45 PM	Coffee Break





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Time	Activity
3:45 - 4:15 PM	Technical Session 7: Public Transport 2 Session Room 2: Drilon Hall
	Chair: Asst. Prof. Crisaulo M. Reynoso, TSSP Regular Member
	 24-ARIMA and ARIMAX Models for Analyzing and Forecasting Ridership of Light Rail Transit Line 2 in Metro Manila [Ms. Chelsea Trinidad, U.P. Los Baños]
	• 27-Life On Two Wheels: Assessing the Coping Mechanisms of Motorcycle Taxi Drivers Within Novaliches' Underground Economy [James Patrick GONZALES, Polytechnic Univ. of the Philippines]





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Time	Activity
3:45 - 4:30 PM	Technical Session 8: Road Safety and Traffic Engineering Session Room 3: Saguiguit Room
	Chair: Dr. Ma. Bernadeth B. Lim, TSSP Regular Member
	03-Prevalence of Risky Riding Behaviors and Their Association with Traffic Rule Knowledge Among Occupational Motorcycle Riders in Metro Manila [Samantha Emmanuelle DIMAYUGA, De La Salle University]
	• 17-Analyzing Real-World Road Traffic Incident Data Collection and Management [Maywadee SOYTONG, U.P. Diliman]
	 Level of Service and Swept Path Analysis of J.P. Rizal St Bonifacio St. Intersection in Gumaca, Quezon, Philippines [Jonathan ARGUELLES, U.P. Los Baños]





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Time	Activity
	Plenary Session (Umali Auditorium)
4:30 – 5:30 PM	Concluding Program
	Induction of New Members – Dr. Karl B. N. Vergel, Chair, TSSP Membership Committee
	Awarding for Best Presentation and Best Paper
	Closing Remarks – Dr. Marloe B. Sundo, Chair, TSSP 31st Conference Committee

Program Facilitators:

Mr. Julshabar U. Halil and Mr. Junievin R. Ramillano Associate Members, TSSP