



3rd Workshop for Young Researchers (WYRe) [BY INVITATION ONLY]

Transportation Science Society of the Philippines (TSSP)

in cooperation with the

University of the Philippines Visayas

12 September 2024 (Thursday)

8:00 AM to 5:00 PM

College of Management

UP Visayas Iloilo City Campus

PROGRAM

Time	Activity
8:00-9:00 AM	Registration
9:00-9:15 AM	Welcome Remarks Dr. Clement C. Camposano (video message) Chancellor, U.P. Visayas Message Dr. Ma. Sheilah G. Napalang, President, TSSP
9:15-9:45 AM	Talk 1: Importance of Research and Practical Guidance on the Conduct of Research Dr. Crispin Emmanuel D. Diaz, UPD-SURP & Board Member, TSSP
9:45-10:15 AM	Talk 2: Sharing Your Research: How to Get Published Dr. Karl B. N. Vergel, UPD-COE-ICE/ Member of Editorial Board, Philippine Engineering Journal (PEJ) & Board Member, TSSP
10:15-10:30 AM	Coffee Break
10:30-10:45 AM	Announcement of Work Groups
10:45 AM-12:15 PM	Workshop 1: Mentoring on Abstract Development Dr. Hilario Sean O. Palmiano, UPD-COE-ICE & Treasurer/ Board Member, TSSP
12:15-1:15 PM	Lunch
1:15-3:15 PM	Workshop 2: Mentoring on Research Proposal Development Dr. Sandy Mae A. Gaspay, UPD-COE-ICE/NCTS & Secretary/ Board Member, TSSP
3:15-3:30 PM	Coffee Break



3rd Workshop for Young Researchers (WYRe)

PROGRAM

Time	Activity
3:30-4:30 PM	<p>Panel Discussion: Career Opportunities and Challenges in Transportation</p> <ul style="list-style-type: none">• <i>Public Service</i> Arch. Keith D. Cameña PDO III, CPDO, Iloilo City Government• <i>Academe</i> Dr. Marie Danielle V. Guillen Associate Professor, U.P. Asian Institute of Tourism & Board Member, TSSP• <i>Private Sector</i> Mr. Raymund Jarobilla Traffic Planner, JFJ Architects <p>Moderator: Asst. Prof. Ysabella P. Cainglet Dept. of Accounting, CM, UP Visayas</p>
4:30-5:00 PM	<p>Conclusion</p> <p>Distribution of Certificates of Attendance</p>

Emcee:
Asst. Prof. Ysabella P. Cainglet
UPV-CM-Dept. of Accounting

Main Facilitator:
Dr. Ma. Sheilah G. Napalang, UPD-SURP and
President, TSSP



Bike Tour of Iloilo City [PRE-REGISTRATION REQUIRED]

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Iloilo City Government

12 September 2024 (Thursday)

	TECHNICAL TOUR
5:30 PM – 8:30 PM	<p>Bike Tour of Iloilo City</p> <p>Start and End Points: U.P. Visayas Iloilo City Campus</p> <p>Tour Route (Route Length: 12 km.):</p> <p>UPV - START Calle Real Plaza Libertad Fort San Pedro Parola Wharf Freedom Grandstand Casa Real Esplanade 4 Plaza Molo UPV - END</p>



Transportation Science Society of the Philippines (TSSP) 30th Annual Conference

TSSP in cooperation with the

**City Government of Iloilo
and
University of the Philippines Visayas**

Gold Sponsors:



**PILIPINAS TRAPIKOM
CORPORATION**



Theme: “Sustainable Transport and Mobility Choices for Healthier Cities”

13 September 2024 (Friday)

Diversion 21 Hotel, Iloilo City

DRAFT PROGRAM

Time	Activity
Plenary Session (Function 1, Function 2 and Function 3)	
8:00 – 9:00 AM	Registration
9:00 – 9:30 AM	Opening Program - National Anthem - Invocation - Opening Remarks: Dr. Ma. Sheilah G. Napalang President, TSSP - Messages Hon. Jerry P. Treñas City Mayor, Iloilo City Dr. Clement C. Camposano (video message) Chancellor, U.P. Visayas
9:30 – 10:30 AM	Introduction of the Keynote Lecturer: Dr. Marie Danielle V. Guillen Board Member, TSSP Keynote Lecture: Building Healthy Societies, Safeguarding Planetary Health: The Role of Transport and Urban Mobility Renzo R. Guinto, MD DrPH Associate Professor of Global and Planetary Health SingHealth Duke-NUS Global Health Institute Duke-NUS Medical School, National University of Singapore
10:30-10:45 AM	Picture-Taking & Coffee Break



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Time	Activity
10:45-11:45 AM	<p>Panel Discussion/Presentation</p> <p><i>Theme: Enhancing transport and Sustainable transport and mobility choices through the Public Transport Planning and promotion of micromobility</i></p> <p><i>Sharing of the experiences of selected cities on the development and implementation of the Local Public Transport Route Plan (LTPRP)</i></p> <p>Panelists:</p> <ul style="list-style-type: none"> - Iloilo City: Experiences in LPTRP development and implementation – EnP Ronald M. Cartagena, City Planning and Development Coordinator of Iloilo City - Davao City: Experiences in LPTRP development and implementation – Atty. Tristan Dwight P. Domingo, Asst. City Administrator of Davao City and Project Manager of Davao Public Transport Modernization Program - Private Corporation: Support for Sustainable Mobility – Ms. Josefa B. Calimag, Metro Pacific Tollways Corporation - Iloilo City: Active Transport Initiatives and Health Programs – Arch./EnP Wilfredo Sy Jr., MICE Center, Iloilo City - Civil Society Organization: Challenges and opportunities in working with LGUs to support sustainable mobility choices – Prof. Early Sol A. Gadong, Assistant Professor, College of Arts and Sciences, UP Visayas <p>Moderator: Dr. Crispin Emmanuel D. Diaz Board Member, TSSP & Professor, UP-SURP</p>
11:45 - 12:00 NN	Open Forum
12:00 - 1:30 PM	Lunch



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Time	Activity
1:30 - 3:00 PM	<p><i>Technical Session 1: Public Transportation</i> <u><i>Function Room 1</i></u></p> <p>Chair: Dr. Daniel L. Mabazza</p> <p>1) A Microsimulation Model of An Exclusive Bus Lane: The Case of EDSA Busway (TSSP2024-04) <i>[Lester Jay OLLERO*, Karl VERGEL, Noriel Christopher TIGLAO]</i></p> <p>2) A Multi-criteria Evaluation and Geographic Information System-based Study: Measuring the Transit-oriented Development Suitability Index of the Proposed Metro Rail Transit 4 Stations in Taytay, Rizal (TSSP2024-18) <i>[Jamie Janel ANACIO, Joanna Mae MONDEJAR*, Paz Monica Angela MORES, Joshua TORRES]</i></p> <p>3) Redesigning Philippine Land Transport Governance Towards Improving Commuter Service Quality (TSSP2024-21) <i>[Ramir Seraphim Llarinas ANGELES*, Nicole Anne Alvarillo COBARRUBIAS, Reyce Hyacenth Nacario BENDANA, Kenneth Isaiah Ibasco ABANTE]</i></p> <p>4) An Assessment of the Effectiveness of the Quezon City Bus Service based on Users’ Satisfaction (TSSP2024-31) <i>[Camille L. SY, Jose Regin F. REGIDOR*]</i></p> <p>5) Development of a Mode Transfer Quality Index: The Case of EDSA Busway (TSSP2024-34) <i>[Ann Camille FAJARDO*, Sandy Mae GASPAY]</i></p> <p><i>[*Presenters]</i></p>



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DRAFT PROGRAM

Time	Activity
1:30 - 3:00 PM	<p><i>Technical Session 2: Active Transportation and Mobility</i> <i><u>Function Room 2</u></i></p> <p>Chair: Dr. Danielle Marie V. Guillen</p> <p>1) Evaluating Mobility and Access to Public Utility Vehicles of Senior Citizens in Quezon City, Philippines (TSSP2024-09) [Lance Christopher P. LELIS*, Vharbielyn S. DE GUZMAN*, Jose Regin F. REGIDOR]</p> <p>2) A Spatial Approach for the Prioritization of Bicycle Lanes in Metro Manila to Improve Accessibility of Low-income Households (TSSP2024-10) [Kyla Camille FAJARDO*, Danneri Blu MORASA, Sandy Mae GASPAY]</p> <p>3) Analysis of the First- and Last-Mile Options of LRT/MRT Users in Metro Manila (TSSP2024-13) [Sophia Renée M. DIMLA, Marie Patricia Denise U. HONG, Nicole T. PELIAS*, Alexis M. FILLONE]</p> <p>4) Characteristics of Pedicab Operation in Zamboanga City (TSSP2024-20) [Junievin RAMILLANO*, Adrian BALANON, Deo Angelo Xenos CABUAL, Louisa May CASTRO, Jorizam ESCUADRO, Marjorie MADES, Jullian Gynne MAMAED]</p> <p>[*Presenters]</p>



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Time	Activity
1:30 - 3:00 PM	<p><i>Technical Session 3: Traffic Engineering</i> <i>Function Room 3</i></p> <p>Chair: Dr. Hilario Sean O. Palmiano</p> <p>1) Characterizing Traffic Behavior on Flooded Roads of Metro Manila (TSSP2024-03) <i>[Lance Kenneth D. MAMUYAC*, Jon Robin D. DELOS REYES, Lousse Shaola L. LUMANGLAS, Eian Lanz C. REBOTIACO, Alexis M. FILLONE]</i></p> <p>2) Optimizing Road Intersection Design for Improved Traffic Management in Bucana, Gapan City, Nueva Ecija using PTV VISSIM (TSSP2024-05) <i>[Julius Caesar ABESAMIS, Janna BAUTISTA, Glenn Albert PINEDA*]</i></p> <p>3) Assessment on Road Capacity and Levels of Service at Highway Segment of Maharlika Highway in San Jose City, Nueva Ecija as Basis for Sustainable Traffic Improvement for Road Segment of Developing Cities (TSSP2024-07) <i>[Camille C. LAZARO, Patricia G. YUMOL, Jennica R. EK, Laila LAVANDERO*]</i></p> <p>4) Passenger Car Equivalent Factor for Tricycles in Urban Local Roads Within Metro Manila (TSSP2024-27) <i>[Jade Christiane M. RAYMUNDO, Dennis C. VERGEL, Sandy Mae A. GASPAY*]</i></p> <p>5) Suitability Assessment and Microscopic Simulation of Pedestrianization on Segments of I. Delos Reyes Street, Sampaloc, Manila (TSSP2024-29) <i>[John Michael AZANZA, Angela Joie BAIZAS, Larie Andre LANSANGAN, Alexandra Jan MENDOZA, Oscar Conrad DE JESUS*]</i></p> <p><i>[*Presenters]</i></p>
3:00 - 3:15 PM	Break



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Time	Activity
3:15 - 4:45 PM	<p><i>Technical Session 4: Urban Transport & Other Topics</i> <i>Function Room 1</i></p> <p>Chair: Dr. Alexis M. Fillone</p> <p>1) Just-In-Time Analysis of Port Operation in Manila (TSSP2024-08) [Geoffrey CUETO, Bridget Yari BERROYA, <u>Dionisio PADILLA III*</u>, Benidict PASCUAL]</p> <p>2) An Analysis of Ride-Hailing Services as Mode of Public Transportation in Olongapo City (TSSP2024-12) [Geoffrey CUETO, Cielo CALONIA JR., Axel Isidry CONVENTO, <u>Luis Carlos Miguel EBORA*</u>]</p> <p>3) Establishing the Mathematical Relationship of Online Shopping and the Existing Hailing Transport System in Olongapo City Using Binary Logit Model (TSSP2024-14) [Geoffrey CUETO, Vince Dominic CUEVAS, Rome Lauren JAVIER, <u>Vince Louis SUMERA*</u>]</p> <p>4) Developing a Framework to Estimate Minimum Size Requirements of Public Transport Facilities for Malls in Urbanized Areas (TSSP2024-24) <u>[Konstantine Chua KOH*]</u></p> <p>5) Commuter Mode Choice Analysis in Roxas Boulevard: Examining the Significant Attributes Influencing Commuter Preferences (TSSP2024-26) <u>[Ashley Nicole ALCANO*</u>, Angeline Grace AYUBAN, Dylan Andre CAPUNO, Matthew Perry WAMELDA]</p> <p><u>[*Presenters]</u></p>



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3:15 - 4:45 PM	<p><i>Technical Session 5: Two & Three-wheeled Mobility</i> <i><u>Function Room 2</u></i></p> <p>Chair: Dr. Ma. Sheilah G. Napalang</p> <p>1) Customer Satisfaction Assessment Between Tricycles and Auto-rickshaws in Zamboanga City Using Traditional and Modified Importance-Performance Analysis (TSSP2024-19) <i>[Junievin RAMILLANO*, Weejdan Khan MUKARAM, Rayhana HAYUDINI, Kia LIM, Maryruth MENDOZA, Fatima Sherhada BALADJI, Grebiel Angelo GUEVARA]</i></p> <p>2) Enhancing Motorcycle safety: Challenges, Strategies, and Research Priorities (Insights from Road Safety Summit Workshop with Motorcycle Groups) (TSSP2024-22) <i>[Glenn Simon D. LATONERO*, Sahid A. KAMID, Sandy Mae A. GASPAY, Cheryl M. BRIDES]</i></p> <p>3) Insights into Motorcycle Riders' Training, Behaviors, and Road Safety Practices: A Survey Study among Motorcycle Enthusiasts (TSSP2024-23) <i>[Sahid A. KAMID*, Glenn Simon D. LATONERO, Sandy Mae A. GASPAY, Cheryl M. BRIDES]</i></p> <p>4) Evaluating the Viability of Motorcycle Taxis as Public Transportation in Metro Manila: A Focus on Service Quality and Safety Features (TSSP2024-32) <i>[Glenn Simon D. LATONERO, Sahid A. KAMID*, Jose Regin F. REGIDOR, Bianca Ella B. GOLINGCO, Norlan W. Mamuyac]</i></p> <p><i>[*Presenters]</i></p>



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3:15 - 4:45 PM	<p><i>Technical Session 6: Transport and Technology</i> <i><u>Function Room 3</u></i></p> <p>Chair: Dr. Sandy Mae A. Gaspay</p> <p>1) Intelligent Transport System Implementation in Road Transportation in Manila, Philippines: A Four-Step Model Approach (TSSP2024-11) [Geoffrey CUETO, Danielle Stephen BALUYOT, Jon Renard ORDONIA, <u>William Caesar RIVERA*</u>]</p> <p>2) Utilizing GIS Technology for Updating and Maintaining Port-to-Port Distances in the Philippine Maritime Sector (TSSP2024-15) [Cherie Lynne GOMINTONG, Arse John SALISON, John Justine VILLAR, Sherman AVENDAÑO, <u>Julshabar HALIL*</u>, Karl VERGEL]</p> <p>3) Development of Road Geometric Scanner Using Slamtec RPLiDAR A3 (TSSP2024-17) [<u>Louise Anne QUILAY*</u>, Lea BRONUJELA-AMBROCIO]</p> <p>4) The Viability of Tricycle Electrification through vehicle unit conversion in the City of Manila, Philippines (TSSP2024-25) [Niki Jon Y. TOLENTINO, Myron ALCANZARE, <u>Erris S. SANCIANGCO*</u>, Noriel Christopher C. TIGLAO, Michael LUE, Maria Preciosa BENJAMIN, Dana BABELA]</p> <p>[*Presenters]</p>



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4:45 – 5:30PM	<p>Concluding Program</p> <p>Report on Paper Submissions Awarding for Best Paper and Presentation – Dr. Jose Regin F. Regidor, Chair, TSSP Scientific Committee</p> <p>Induction of New Members – Dr. Karl B. N. Vergel, Chair, TSSP Membership Committee</p> <p>Closing Remarks – Dr. Alexis M. Fillone, Chair, TSSP 30th Conference Committee</p>

Master of Ceremonies:

Dr. Mary Rose G. Rebuena
College of Management, UPV