



Transportation Science Society of the Philippines

c/o National Center for Transportation Studies
University of the Philippines, Diliman, Quezon City
Telefax (02) 928-8305 Website: <http://ncts.upd.edu.ph/tssp>

Transportation Science Society of the Philippines 25th Annual Conference

Theme: "Enhancing Disaster Preparedness & Resilience Through Transportation Engineering and Planning"

July 26-27, 2018

Venue: Southeast Asia Rural Social Leadership Institute (SEARSOLIN)
Manresa Farm, Xavier University - Ateneo de Cagayan
Masterson Avenue, Cagayan de Oro City

Co-organized by: Xavier University-Cagayan De Oro
Platinum Sponsor: NLEX Corporation

Gold Sponsors: Metro Pacific Tollways Corporation (MPTC), Urban-Rural Consulting Services (URCS)

CONFERENCE PROGRAM

Time	Activity
DAY 1 (JULY 26, THURSDAY): WORKSHOP FOR YOUNG RESEARCHERS Overall Facilitator: Dr. Ma. Sheilah G. Napalang , Board Member, TSSP	
8:00-9:00 AM	Registration
9:00-9:15 AM	Welcome remarks: Dr. Alexis M. Fillone , President, TSSP
9:15-9:45 AM	Talk 1: Importance of Research Dr. Ricardo G. Sigua , Professor, UP Diliman
9:45-10:15 AM	Talk 2: Practical Guidance on the conducting of researches Mr. Marc Hasselwander , PhD Student, University of Coimbra
10:15-10:30 AM	Coffee Break
10:30-11:00 AM	Talk 3: How to get published (Research publication do's and don'ts) Mr. Michael Miller
11:00-11:30 AM	Open Forum
11:30-12:45 PM	Lunch
12:45-1:00 PM	Announcement of Work Groups
1:00 – 2:15 PM	Workshop 1: Mentoring on Abstract Development Dr. Hilario Sean O. Palmiano
2:15 -3:30 PM	Workshop 2: Mentoring on Research Paper Outline Development Dr. Alexis M. Fillone
3:30 – 4:00 PM	Workshop 3: Key learnings and future agenda Dr. Anabel A. Abuzo
4:00 – 5:30 PM	Talk: 'Career Opportunities and Challenges' in Transportation - Atty. Martin B. Delgra III, En. P. , Chairman, LTFRB - Dr. Cresencio M. Montalbo, Jr. , Associate Professor, UP Diliman - Ms. Avalyn A. Cahulogan
DAY 2 (JULY 27, FRIDAY): CONFERENCE PROPER Master of Ceremonies: Dr. Ma. Sheilah G. Napalang , Board Member, TSSP	
8:00-9:00 AM	Registration
9:00-9:30 AM	Opening Program



Transportation Science Society of the Philippines

c/o National Center for Transportation Studies
 University of the Philippines, Diliman, Quezon City
 Telefax (02) 928-8305 Website: <http://ncts.upd.edu.ph/tssp>

Time	Activity	
	- National Anthem - Invocation - Welcome Remarks Dr. Hercules R. Cascon Dean, College of Engineering, Xavier University-Ateneo de Cagayan <i>on behalf of</i> Rev. Fr. Roberto C. Yap, S.J. President, Xavier University-Ateneo de Cagayan - Opening Remarks Ms. Eileen San Juan <i>on behalf of</i> Hon. Oscar S. Moreno, City Mayor, Cagayan De Oro City	
9:30 - 10:15 AM	Introduction of the Keynote Lecturer: Dr. Alexis Fillone Keynote Lecture: <i>“Research Needs to Prepare for National Disaster in Transport Sector – on the Experience of the Great East Japan Earthquake”</i> - Prof. Atsushi Fukuda Professor of Transportation Engineering and Socio-technology College of Science and Technology Nihon University, Japan	
10:15-10:30 AM	Break	
10:30-11:30 AM	Panel Discussion/Presentation Theme: <i>“Enhancing Disaster Preparedness & Resilience Through Transportation Engineering and Planning”</i> Panel: Asec. Eymard D. Eje , Disaster Resilience, DOTr Prof. Dexter S. Lo , Director, SEARSOLIN, XU (SD-ISE, SEARSOLIN, GLI, CE Dept) Mr. Elpidio M. Paras , President and CEO, UC-1 Corporation Mr. Mario Verner S. Monsanto , Overseer, CDRRMD / RTA / CSU Dr. Josefino S. Bascug , Acting PPDC, Misamis Oriental Moderator: Dr. Cresencio M. Montalbo Jr. , Board Member, TSSP	
11:30 - 12:00 NN	Open Forum	
12:00 - 1:30 PM	Lunch <i>[Membership Meeting and Election of Board of Directors – Regular and Lifetime Members in Attendance]</i>	
1:30 - 3:00 PM	<i>Technical Session 1: Public Transportation 1</i> <i>[Chair: Dr. Cresencio M. Montalbo Jr.]</i> <ul style="list-style-type: none"> ▪ Assessing the Implementation Arrangements for a City Bus Transport System through a Hybrid PPP Model: The Case of the Pasig City Bus Service (<i>TSSP2018-15</i>) ▪ Determination of Appropriate Public Transportation Mode for a University Transit Route in Accordance with the Omnibus Franchising Guidelines (<i>TSSP2018-</i> 	<i>Technical Session 2: Human, Vehicle and Traffic Flow Characteristics</i> <i>[Chair: Dr. Ricardo G. Sigua]</i> <ul style="list-style-type: none"> ▪ Resilience Assessment of Freight Transport Optimization Programs for the Philippine Greater Capital Region (<i>TSSP2018-04</i>) ▪ Impacts of Different Rainfall Intensities on Key Traffic Flow Parameters at North Luzon Expressway Using Underwood’s Exponential Model (<i>TSSP2018-09</i>) ▪ Road Capacity Imbalance at Exit



Transportation Science Society of the Philippines

c/o National Center for Transportation Studies
 University of the Philippines, Diliman, Quezon City
 Telefax (02) 928-8305 Website: <http://ncts.upd.edu.ph/tssp>

Time	Activity	
	16) <ul style="list-style-type: none"> ▪ Examining the Factors of Modal Shift to P2P Bus Service (Masinag-Greenbelt 5) (TSSP2018-18) ▪ Assessing Walkability in the City of Tacloban (TSSP2018-11) 	<ul style="list-style-type: none"> ▪ Points of the Metro Manila Skyway and Adjoining Roads (TSSP2018-12) ▪ Factors Influencing Motorcycle Accident Severity in Commonwealth Avenue, Quezon City, Philippines (TSSP2018-02)
3:00 - 3:15 PM	Break	
3:15 - 4:45 PM	Technical Session 3: Mode and Route Choice Analysis [Chair: Dr. Hilario Sean O. Palmiano] <ul style="list-style-type: none"> ▪ Mode Choice Analysis of Commuters in Intramuros, Manila (TSSP2018-03) ▪ Joint Model of Private Passenger Vehicle Type Ownership and Fuel Consumption in Metro Manila: Analysis and Simulation of Discrete-Continuous Choice Model (TSSP2018-14) ▪ Determining the Value of Time for a Proposed Expressway Along C-5 (TSSP2018-01) ▪ Factors affecting travel behavior during flood events in Metro Manila, Philippines (TSSP2018-06) 	Technical Session 4: Public Transportation 2 [Chair: Dr. Karl B. N. Vergel] <ul style="list-style-type: none"> ▪ Mode of Public Transportation in Cotabato City (TSSP2018-10) ▪ Operational Characterization of Habal-habal in Selected Municipalities in North Cotabato (TSSP2018-08) ▪ Examining the Potential Significance of Industry Consolidation and Fleet Management in Implementing the DOTr's PUV Modernization Program: A Case Study of 1TEAM (TSSP2018-17)
4:45 – 5:30 PM	Awarding for Best Paper and Presentation Announcement on New Board of Directors Induction of New Members Closing Remarks - Dr. Alexis M. Fillone President, TSSP	

Best Paper:

Impacts of Different Rainfall Intensities on Key Traffic Flow Parameters at North Luzon Expressway Using Underwood's Exponential Model
 Hanzel N. Mejia and Dr. Ricardo G. Sigua

Best Presentation:

Impacts of Different Rainfall Intensities on Key Traffic Flow Parameters at North Luzon Expressway Using Underwood's Exponential Model
 Hanzel N. Mejia

Induction of New Members:

Regular Members:

Mr. Alan Anthony L. Acacio, KE Asia Inc.



Transportation Science Society of the Philippines

c/o National Center for Transportation Studies
University of the Philippines, Diliman, Quezon City
Telefax (02) 928-8305 Website: <http://ncts.upd.edu.ph/tssp>

Ms. Avalyn A. Cahulogan, AACahulogan Corp.

Associate Members:

Mr. Daniel Laurence C. Ang, De La Salle University-Manila
Ms. Aliannah E. Ventura, University of the Philippines Diliman

Corporate Members:

GHD Pty Ltd, represented by Mr. Ronald Q. Acio and Ms. Yrish Mae Estoce
KE Asia Inc., represented by Mr. Alan Anthony L. Acacio

Attendance (Day 2, Conference Proper):

Lifetime Members – 4
Regular Members – 18
Associate Members – 15
Corporate Members – 4
Secretariat – 4
Guests – 9
Non-Members – 13
Non-Members (Student) – 17

Total Participants (Conference Proper) – 76

Attendance (Day 1, Young Researchers Forum):

Mapua University – 10 (BS, MS)
De La Salle University – 7 (BS, MS, PhD)
Mindanao State University-Iligan Institute of Technology – 5 (MS)
Western Mindanao State University – 3 (MS, PhD)
Xavier University – 8 (BS)
Visayas State University – 1 (MS)
University of the Philippines Diliman – 1 (PhD)
University of Southern Mindanao – 1 (BS)
University of Coimbra – 1 (PhD)
Young Researchers – 37
Facilitators/Mentors – 8
Resource Persons/Guests – 3

Total Participants (Young Researchers Forum) – 48

Newly-Elected Board Members, 2018-2020

Dr. Anabel A. Abuzo
Dr. Cresencio M. Montalbo Jr.
Dr. Ma. Sheilah G. Napalang
Dr. Hilario Sean O. Palmiano
Dr. Jose Regin F. Regidor
Dr. Ricardo G. Sigua
Dr. Noriel Christopher C. Tiglao
Dr. Francis Aldrine A. Uy
Dr. Karl B. N. Vergel
NLEX Corporation
SMDI Consultants Inc.



Transportation Science Society of the Philippines

c/o National Center for Transportation Studies
University of the Philippines, Diliman, Quezon City
Telefax (02) 928-8305 Website: <http://ncts.upd.edu.ph/tssp>

PHOTOS OF THE CONFERENCE

Day 1: Workshop for Young Researchers



Mr. Michael Miller talking about “How to get published”



Dr. Ricardo Sigua talking on “The importance of research”



Afternoon workshop facilitated by Dr. Sheilah Napalang with breakout groups chaired by mentors comprised of TSSP members who are from the faculties of the University of the Philippines Diliman, De La Salle University and Xavier University



Breakout groups were comprised of a mix of PhD, masters and undergraduate students from various schools including DLSU, Mapua, XU-ADC, MSU-IIT, UPD, WMSU, USM and VSU.





Transportation Science Society of the Philippines

c/o National Center for Transportation Studies
University of the Philippines, Diliman, Quezon City
Telefax (02) 928-8305 Website: <http://ncts.upd.edu.ph/tssp>

Preparations for the career talk and the opening of the conference proper at the SEARSOLIN auditorium.

Dr. Sheilah Napalang facilitating the talk on “Career Opportunities and Challenges”. Resource speakers (L-R) Dr. Cresencio M. Montalbo, Jr. (Associate Professor, UP Diliman), Ms. Avalyn A. Cahulogan (private sector), Atty. Martin B. Delgra III (Chairman, LTFRB)



Conference registration booth manned by staff from UP-NCTS and XU; Banner from Metro Pacific Tollways Corporation (MPTC). MPTC and NLEX Corporation are major sponsors and corporate members of TSSP



Welcome remarks by Dr. Hercules R. Cascon, Dean, College of Engineering, Xavier University on behalf of Rev. Fr. Roberto C. Yap, S.J., President, Xavier University



Opening Remarks by Ms. Eileen San Juan of the City’s Tourism Office on behalf of Hon. Oscar S. Moreno, City Mayor, Cagayan De Oro City.



Introduction of the Keynote Speaker by Dr. Alexis M. Fillone of DLSU, the outgoing TSSP President



Transportation Science Society of the Philippines

c/o National Center for Transportation Studies
University of the Philippines, Diliman, Quezon City
Telefax (02) 928-8305 Website: <http://ncts.upd.edu.ph/tssp>



Keynote Lecture: “Research Needs to Prepare for National Disaster in Transport Sector – on the Experience of the Great East Japan Earthquake” by Prof. Atsushi Fukuda, Professor of Transportation Engineering and Socio-technology, College of Science and Technology, Nihon University, Japan



Panel Discussion on the theme: “Enhancing Disaster Preparedness & Resilience Through Transportation Engineering and Planning”

From L-R: Dr. Cresencio M. Montalbo Jr. (Moderator, TSSP Board Member), Mr. Elpidio M. Paras (President and CEO, UC-1 Corporation), Dr. Josefino S. Bascug (Acting PPDC, Misamis Oriental), Asec. Eymard D. Eje (Asec. For Disaster Resilience, DOTr), Mr. Mario Verner S. Monsanto (Overseer, CDRRMD / RTA / CSU), and Prof. Dexter S. Lo (Director, SEARSOLIN, XU)



Introduction of new corporate, regular and associate members by Dr. Karl Vergel (TSSP Vice President) and Dr. Fillone (TSSP President) – from L-R: Mr. Acio (corporate member-GHD Pty Ltd), Mr. Acacio (regular member and corporate member-KE Asia Inc.), Ms. Ventura (UP Diliman), Mr. Ang (DLSU-Manila)



Oathtaking of new corporate, regular and associate members presided by Dr. Fillone, TSSP President



Transportation Science Society of the Philippines

c/o National Center for Transportation Studies
University of the Philippines, Diliman, Quezon City
Telefax (02) 928-8305 Website: <http://ncts.upd.edu.ph/tssp>



Announcement of nominees and scores for Best Paper and Best Presentation by Dr. Anabel Abuzo (Xavier University)



Best Paper and Best Presentation awardee, Mr. Hanzel Mejia of the Visayas State University, poses with Dr. Fillone and Dr. Napalang. His paper is on the “Impacts of Different Rainfall Intensities on Key Traffic Flow Parameters at North Luzon Expressway Using Underwood’s Exponential Model” and co-authored with Dr. Ricardo Sigua



Concluding Remarks by outgoing TSSP President Dr. Alex Fillone of DLSU



Transportation Science Society of the Philippines

c/o National Center for Transportation Studies
University of the Philippines, Diliman, Quezon City
Telefax (02) 928-8305 Website: <http://ncts.upd.edu.ph/tssp>



*Delegates of the 25th Transportation Science Society of the Philippines Conference
Theme: Enhancing Disaster Preparedness and Resilience through Transportation Engineering and Planning
26-27 July 2018 | SEARSOLIN, Manresa Farm, Cagayan de Oro City*