



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>

CONFERENCE REPORT

26th Annual Conference of the Transportation Science Society of the Philippines (TSSP)

Theme:

“Bridging the Transportation Infrastructure Development Gap in the Philippines”

25-27 July 2019

College of Engineering, University of San Jose-Recoletos (USJ-R), Cebu City

Co-organized by:

University of San Jose-Recoletos (USJ-R)

Diamond Sponsors:

SMDI Consultants Inc., Metro Pacific Tollways Corporation (MPTC) and the Philippine Council for Industry, Energy and Emerging Technology Research and Development (DOST-PCIEERD)

Gold Sponsor:

U.P. Planning and Development Research Foundation, Inc. (UP PLANADES)

CONFERENCE PROGRAM (Pre-Conference Event)

DAY 1 (25 JULY 2019, THURSDAY): WORKSHOP FOR YOUNG RESEARCHERS (WYRe)	
Venue: IE Laboratory	
Overall Facilitator: Dr. Ma. Sheilah G. Napalang , Board Member, TSSP, Assistant Secretary for Planning, Department of Transportation	
8:00-9:00 AM	Registration
9:00-9:15 AM	Welcome Remarks Dr. Ricardo G. Sigua, President, TSSP
9:15-9:45 AM	Talk 1: Importance of Research/Practical Guidance on the Conduct of Research Dr. Ricardo G. Sigua, Professor, ICE-UP Diliman
9:45-10:15 AM	Talk 2: How to Get Published Dr. Karl B. N. Vergel, Professor, ICE-UP Diliman
10:15-10:30 AM	Coffee Break
10:30 – 10:45 AM	Announcement of Work Groups
10:45 AM – 12:15PM	Workshop 1: Mentoring on Abstract Development Dr. Hilario Sean O. Palmiano, Asst. Professor, ICE-UP Diliman
12:15-1:15PM	Lunch
1:15 -3:15 PM	Workshop 2: Mentoring on Research Proposal Development Dr. Daniel L. Mabazza, Professor, Dept. of Geography, UP Diliman
3:15 – 3:30PM	Coffee Break
3:30 – 4:30 PM	Panel Discussion: ‘Career Opportunities and Challenges’ in Transportation <ul style="list-style-type: none">- Engr. Nigel Paul C. Villarete (Public Service)- Dr. Cresencio M. Montalbo, Jr. (Academe)- Engr. Lynn Gloria L. Madrona (Private Sector) Moderator: Dr. Daniel L. Mabazza
4:30 – 5:00 PM	Conclusion/Distribution of Certificates of Attendance to participants



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CONFERENCE PROGRAM (Conference Proper – Morning Session)

DAY 2 (26 JULY 2019, FRIDAY): CONFERENCE PROPER Venue: Main AVR Master of Ceremonies: Engr. Rex Prosia Jr. , Faculty Member, USJ-R	
8:00 – 9:15 AM	Registration
9:15 – 9:25 AM	Opening Program - Invocation - National Anthem - University of San Jose-Recoletos Hymn - Welcome Remarks: Rev. Fr. Cristopher C. Maspara, OAR President University of San Jose-Recoletos (USJ-R) - Opening Remarks Dr. Ricardo G. Sigua President Transportation Science Society of the Philippines (TSSP)
9:25 – 10:50 AM	Introduction of the Keynote Lecturer: Dr. Ricardo G. Sigua Keynote Lecture: Innovation Works for the People Dr. Enrico C. Paringit Executive Director Philippine Council for Industry, Energy and Emerging Technology Research and Development (DOST-PCIEERD)
10:55-11:25 AM	Coffee Break [Rooms 205 & 207]
11:25 AM-1:00 PM	Panel Discussion/Presentation Theme: “ <i>Bridging the transportation infrastructure development gap in the Philippines</i> ” Panelists: Ms. Evelyn N. Castro Director, Program Management Office Research, Program, and Organizational Development Metro Cebu Development and Coordinating Board (MCDCB) Dir. Edgar B. Tabacon Regional Director Regional Office VII Department of Public Works and Highways (DPWH) Engr. Nigel Paul C. Villarete Facilitator: Dr. Cresencio M. Montalbo, Jr. , Board Member, TSSP Open Forum
1:00 - 1:50 PM	Lunch [Rooms 205 & 207]



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CONFERENCE PROGRAM (Conference Proper – Afternoon Session)

DAY 2 (26 JULY 2019, FRIDAY): CONFERENCE PROPER		
Technical Sessions		
1:50 - 3:35 PM	Technical Session 1: <i>Public Transportation</i> [Chair: Dr. Marloe Sundo, TSSP] Session Room: Room 210 <ul style="list-style-type: none"> • TSSP2019-01: <i>The TOD Suitability Index: A Planning Framework for Transit-Oriented Developments (TOD)</i> • TSSP2019-07: <i>Analysis of Energy Economy Rating of E-Trike on Long and Short Routes Along Flat Terrain Condition</i> • TSSP2019-10: <i>Examining the MMDA Bus Segregation Scheme in EDSA</i> • TSSP2019-16: <i>Dashboard Camera-Aided Test Vehicle Technique for Passenger Load Profile and Travel Time Data Collection for UV Express Transit Services</i> 	Technical Session 3: <i>Mode Choice</i> [Chair: Engr. Clainie Gay Labiste, USJ-R] Session Room: Main AVR <ul style="list-style-type: none"> • TSSP2019-04: <i>Factors Influencing Bicycle Use in a Medium-Sized City: The Case of Iloilo City, Philippines</i> • TSSP2019-12: <i>Preliminary Study on the Feasibility of a Bicycle-Sharing System at Visayas State University in Baybay City, Leyte</i> • TSSP2019-13: <i>Investigating Tourists' Airport Choice in the Multi-Airport Region of Aklan, Philippines and Its Implications on Airport Capacity Expansion Decisions</i> • TSSP2019-18: <i>Survey Method Creation of Stated Preference Method to Model Modal Shift to MRT Line 7</i>
3:35 - 3:50 PM	Coffee Break [Rooms 205 & 207]	
3:50 - 5:15 PM	Technical Session 2: <i>Human, Vehicle and Traffic Flow Characteristics</i> [Chair: Dr. Anabel Abuzo, TSSP] Session Room: Room 210 <ul style="list-style-type: none"> • TSSP2019-05: <i>Analysis and Characterization of Domestic Air Travel Delay of Low-Cost Airlines at NAIA Terminal 4 for the Year 2015</i> • TSSP2019-06: <i>Initial Analysis of the Black Nazarene Procession in Manila City</i> 	Technical Session 4: <i>Transportation and Urban Planning</i> [Chair: Engr. Yuriy Sesican, USJ-R] Session Room: Main AVR <ul style="list-style-type: none"> • TSSP2019-03: <i>Review of the National and Cities' Truck Policies in Metro Manila</i> • TSSP2019-08: <i>Assessing the economic impact of the closure of Ninoy Aquino International Airport caused by Xiamen Air Flight 8667: A Dynamic Inoperable Input-Output Approach</i> • TSSP2019-11: <i>Traffic and Transportation Management Program for the City of Naga, Cebu: A Metro Cebu Development and Coordinating Board (MCDCB) Initiative</i>
Plenary Session: Main AVR		
5:15 – 5:45 PM	Concluding Program Induction of New Members Awarding of Certificates of Appreciation Best Paper and Best Presentation Awards Group Photo Closing Remarks - Dr. Ricardo G. Sigua President, TSSP	



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CONFERENCE PROGRAM (Technical Tour)

DAY 3 (27 JULY 2019, SATURDAY): Technical Tour to Cebu-Cordova Link Expressway (CCLEX) Project <i>hosted by: Cebu-Cordova Link Expressway Corporation (CCLEC)</i>		
Time	Activity	
7:30 – 8:00 AM	Assembly at Parking Area inside USJ-R (near College of Engineering)	
8:30 – 9:00 AM	Travel from USJ-R for CLJV Compound in SRP	
9:00 – 9:30 AM	Project Briefing at Cebu Link Joint Venture Boardroom South Road Properties, Cebu City	
9:30 AM – 11:30 AM	Site Tour	
	Group A	Group B
	CPA Jetty – Shell Island – Batching Plant – SRP Jetty - CLJV Boardroom	Batching Plant – SRP Jetty – CPA Jetty – Shell Island – CLJV Boardroom
11:30 AM – 12:00 NN	Travel from CLJV Compound in SRP to USJ-R	



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BEST PAPER AND PRESENTATION AWARDS

Best Paper:

Analysis of Energy Economy Rating of E-Trike on Long and Short Routes Along Flat Terrain Condition

Sharina Mae N. MARIANO, Marloe B. SUNDO, Marish S. MADLANGBAYAN, Christian Dominick ALFONSO, Karl B. N. VERGEL and Ernesto B. ABAYA

Best Presentation:

Initial Analysis of the Black Nazarene Procession in Manila City

Rex Emmanuel M. APAD, Darius Joseph R. DIAMANTE, Alexis M. FILLONE, John Paul Aloveel C. FERRER and Alerik Ezekiel C. RUIZ

INDUCTION OF MEMBERS

Regular Members:

- 1) Angelo Paulo A. Mogul, LMID
- 2) Dr. Jessica Maria Paz S. Casimiro, WMSU
- 3) Hanzel N. Mejia, VSU
- 4) Jose Romarx C. Salas

Associate Members:

- 1) Jose Alfonso V. Barizo, Legazpi City LGU
- 2) Aaron Wai Kit S. Lam, DLSU
- 3) Lorraine N. Chavez, DLSU
- 4) Teddy Carl L. Omilig, DLSU
- 5) Darius Joseph R. Diamante, DLSU
- 6) Rex Emmanuel M. Apad, DLSU
- 7) Alerik Ezekiel C. Ruiz, DLSU
- 8) John Paul Aloveel C. Ferrer, DLSU
- 9) Sherwin N. Nieva, PUP
- 10) Keith Anshilo L. Diaz, Mapua Univ.
- 11) Leonard S. Alcala, Zamboanga City LGU
- 12) Virgilio Ma. E. Ramos Jr., UPD



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CONFERENCE ATTENDANCE

Day 1 (Thursday), 25 July 2019: Workshop for Young Researchers

De La Salle University – 8 (BSCE, MS Econ)
Mapua University – 4 (BSCE, BSECE, MSCE)
University of Cebu – 2 (BSCE)
University of the Philippines Diliman – 5 (MSCE)
University of San Jose-Recoletos – 8 (BSCE/CE Faculty)
Visayas State University – 1 (CE Faculty)
Western Mindanao State University – 4 (BSCE)
Facilitators/Mentors/Secretariat – 9
Panel Guests – 3
Total Participants (WYRe) – 44

Day 2 (Friday), 26 July 2019: Conference Proper

Lifetime Members – 7
Regular Members – 21
Associate Members – 35
Corporate Members – 17 (SMDI Consultants, MPTC, GHD Pty Ltd, NEDA-IS, TTPI, WSP Phils.)
Guests – 8
Non-Members – 29 (7 USJ-R)
Non-Members (Student) – 36 (22 USJ-R)
Total Participants (Conference Proper) – 153

Day 3 (Saturday), 27 July 2019: Technical Visit to CCLEX

Lifetime Members – 3
Regular Members – 9
Associate Members – 24
Corporate Members – 16
Non-Members – 9
Non-Members (Student) – 5
Total Participants (Technical Visit) – 68



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PHOTOS OF THE CONFERENCE

Day 1 (Thursday), 25 July 2019: Workshop for Young Researchers (WYRe)



1 – Workshop Registration Desk in front of IE Laboratory at USJ-R College of Engineering



2 – Dr. Ma. Sheilah Napalang, Board Member of TSSP and TSSP WYRe 2019 Overall Facilitator, explaining the objectives



3 – The participants of TSSP WYRe 2019 listening to Dr. Napalang



4 – Dr. Hilario Sean Palmiano, Board Member of TSSP, explaining on Workshop 1



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5 – Dr. Daniel Mabazza, Lifetime Member of TSSP, explaining on Workshop 2



6 – Mentoring Workshop



7 – Mentoring Workshop



8 – Mentoring Workshop



9 – Mentoring Workshop



10 – Mentoring Workshop



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11 – Dr. Mabazza, TSSP Lifetime Member, moderating the Panel Discussion “Career Opportunities and Challenges in Transportation”



12 – Awarding of Certificates of Appreciation to Panel Discussants (L to R: TSSP Vice-Pres. Dr. Vergel, Dr. Mabazza (Moderator), Engr. Villarete (Lifetime Member), Engr. Madrona (Lifetime Member), Dr. Montalbo (Regular Member) and TSSP Secretary Dr. Regidor)



13 – TSSP Workshop for Young Researchers (WYRe) 2019 Group Photo



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Day 2 (Friday), 26 July 2019: Conference Proper



1 – TSSP 26th Annual Conference Registration Desk in front of USJ-R Main AVR



2 – USJ-R Main AVR Before the Opening Session (L to R: TSSP President Dr. Sigua, USJ-R COE Dean Kilongkilong, UP-NCTS Director/TSSP Board Member Dr. Palmiano and DOST-PCIEERD Executive Director Paringit)



3 – USJ-R Main AVR Before the Opening Session



4 – USJ-R President Fr. Maspara delivering the Welcome Remarks



5 – TSSP President Dr. Sigua delivering the Opening Remarks



6 – Main AVR during the Opening Ceremony



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7 – Discussion during the Morning Plenary Session



8 – Dr. Paringit, DOST-PCIEERD Executive Director, delivering the Keynote Lecture



9 – TSSP President Dr. Sigua (left) awarding the certificate of appreciation to USJ-R President Fr. Maspara (right)



10 – TSSP President Dr. Sigua (left) awarding the certificate of appreciation to Dr. Paringit, DOST-PCIEERD Executive Director (right)



11 – Group Photo after Opening Ceremony (L to R: Fr. Maspara, Dr. Sigua, Dr. Paringit, Dean Kilongkilong and USJ-R CE Department Chair Engr. Sales)



12 – Dr. Montalbo, TSSP Board Member, Moderator of the Panel Discussion during the Conference Proper, delivering the introduction



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13 – Ms. Castro of MDCDB, Panel Discussant, delivering her presentation



14 – Regional Dir. Tabacon of DPWH RO VII, Panel Discussant, delivering his presentation



15 – Engr. Villarete, Panel Discussant and TSSP Lifetime Member, discussing a point during the Panel Discussion



16 – Question and Answer during the Panel Discussion



17 – Awarding of certificates to Panel Discussants and Moderator after the Panel Discussion



18 – Dr. Tiglao, TSSP Regular Member, presenting his research during the Technical Session



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19 – Mr. Marcelo, TSSP Associate Member, presenting his research during the Technical Session



20 – Discussion during the Technical Session



21 – Engr. Bacero, TSSP Lifetime Member, presenting his research during the Technical Session



22 – Discussion during the Technical Session



23 – New Regular and Associate Members of the Society being called up to the stage for induction



24 – Induction of New Regular and Associate Members of the Society



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25 – Awarding of Certificate of Appreciation to Engr. Labiste, Faculty of USJ-R, for chairing Technical Session 3



26 – Awarding of Certificate of Appreciation to Dr. Abuzo, TSSP Regular Member, for chairing Technical Session 2



27 – Awarding of Certificate of Appreciation to Engr. Sesican, Faculty of USJ-R, for chairing Technical Session 4



28 – Awarding of Certificate of Appreciation to Dr. Sundo, TSSP Regular Member, for chairing Technical Session 1



29 – Awarding of Certificate of Appreciation to University of San Jose-Recoletos College of Engineering Dean Kilongkilong



30 – Awarding of Certificate of Appreciation to University of San Jose-Recoletos Department of Civil Engineering Chair Sales



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31 – Best Presentation Award to Mr. Diamante, Mr. Apad, Mr. Ruiz and Mr. Ferrer (authors) of De La Salle University



32 – Best Paper Award to Ms. Mariano and Dr. Sundo (co-author) of the University of the Philippines Los Baños



33 – TSSP 26th Annual Conference Group Photo – 26 July 2019



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Day 3 (Saturday), 27 July 2019: Technical Visit to CCLEX



Technical Tour of TSSP Participants at the Cebu-Cordova Link Expressway (CCLEX) Project (Group A)



Technical Tour of TSSP Participants at the Cebu-Cordova Link Expressway (CCLEX) Project (Group B)