

**SUSTAINABLE PROACTIVE ADVOCACIES IN CIVIL ENGINEERING 2019**  
**“Filipino Civil Engineers: Quo Vadis”**

**OPENING CEREMONIES**

| <b>TIME</b>         | <b>Day 1- Thursday, August 22, 2019</b>   |
|---------------------|---|
| <b>7:00 – 8:30</b>  | Registration  |
|                     | <b>Master of Ceremonies</b><br><b>– ENGR. FERDINAND R. BERNAL PP. F.PICE</b>  |
| <b>8:30 - 8:45</b>  | Invocation - <b>ENGR. ESTELA CUBACUB</b><br>Business Manager, PICE-Makati Chapter<br><br>National Anthem - <b>ENGR. MARICON COLUMN-PINEDA M.ASEP</b><br>Director, ASEP<br><br>Introduction of Personages – <b>ENGR. MAMERTO C. ENTING</b><br>1 <sup>st</sup> Vice-President, PICE-Makati Chapter<br><br>Welcome Remarks – <b>ENGR. ADAM C. ABINALES, F.PICE, F.ASEP</b><br>President, PICE-Makati Chapter<br><br>Opening Messages – <b>ENGR. EFREN H. SISON PP. F.PICE, F.ASEP</b><br>Adviser, PICE-Makati Chapter and President, ISSEP |
| <b>8:45 - 9:15</b>  | Introduction of GUEST OF HONOR and KEYNOTE SPEAKER<br>– <b>ENGR. GREGORY GLENN U. GOOCO, F.PICE</b><br>Past President, PICE-Makati Chapter<br><br>(to be followed by Speech of GUEST OF HONOR and KEYNOTE SPEAKER)<br><br><b>ENGR. PRAXEDES P. BERNARDO</b><br>Chairperson – Board of Civil Engineering, Professional Regulation<br>Commission (PRC)  |
| <b>9:15 – 9:30</b>  | Awarding of Plaque of Appreciation to GUEST OF HONOR and KEYNOTE SPEAKER<br>– <b>ENGR. JUANITO C. CUNANAN, M.ASEP</b><br>Director, ASEP   |
| <b>9:30 - 9:45</b>  | Formal Opening of the SPACE 2019<br><br><b>ENGR. CHRISTOPHER PAULO T. TAMAYO F.PICE, F.ASEP</b><br>SPACE 2019 Conference Chairman<br>2 <sup>nd</sup> Vice-President, PICE-Makati Chapter  |
| <b>9:45 - 10:00</b> | Opening of Exhibit<br>– <b>PICE Makati / ASEP / ISSEP Board of Directors and Guest of Honor</b>   |
| <b>10:00 -10:30</b> | A.M. Break<br><br>House Rules<br>– <b>ENGR. EDWARD DENNIS D. CRUZ</b><br>Auditor, PICE-Makati Chapter   |

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**PROGRAMME – CONFERENCE PROPER**

| <b>TIME</b>   | <b>Day 1 - Thursday, August 22, 2019</b>   |   |
|---------------|--|---|
|               | <b>Technical Session No. 1:</b><br><b>Moderator – ENGR. FERDINAND R. BERNAL, PP. F.PICE</b>  |   |
| 10:30 - 11:10 | <b>TRANSPORTATION ENGINEERING:</b><br><b>“Status of Professional Practice of Filipino Transportation Engineers”</b>  | <b>Primitivo C. Cal, Ph.D.</b><br><i>(Transportation Planning)</i><br><br><b>UP PLANADES</b>  |
| 11:10 - 11:50 | <b>TRANSPORTATION ENGINEERING:</b><br><b>“Filipino Civil Engineers: Taking the lead towards a more efficient transportation system in the Philippines”</b> | <b>John Jowhell H. Villegas, M.Eng.</b><br><br><i>Department of Public Works and Highways (DPWH)</i>                                    |
| 11:50 - 12:00 | <b>Open Forum for Technical Session No. 1 and Awarding of Plaque of Appreciation to Speakers</b>   |   |
| 12:00 - 1:00  | <b>Lunch Break</b>   |   |
|               | <b>Technical Session No. 2:</b><br><b>Moderator – ENGR. MIRIAM LUSICA-TAMAYO F.PICE, F.ASEP</b>  |   |
| 1:00 - 1:40   | <b>STRUCTURAL ENGINEERING:</b><br><b>“A Review on the Design and Cost Synthesis of Building Structures”</b>  | <b>Engr. Anthony Vladimir C. Pimentel F.ASEP</b><br><br><i>Pimentel &amp; Associates Engineering Consultants</i>                        |
| 1:40 - 2:20   | <b>STRUCTURAL ENGINEERING:</b><br><b>“Parametric Models and Evolutionary Solvers for Structural Engineers”</b>   | <b>Engr. Sonny G. Andalis</b><br><br><i>Jacobs</i>  |
| 2:20 - 3:00   | <b>WIND/STRUCTURAL ENGINEERING:</b><br><b>“Building Aerodynamics: Optimization of Wind Induced Responses in High Rise Buildings”</b>                       | <b>Sudeesh Kala, M.A.Sc., P.Eng.</b><br><br><i>RWDI ANEMOS LTD. (Singapore Branch)</i>  |
| 3:00 - 3:15   | <b>Open Forum for Technical Session No. 2 and Awarding of Plaque of Appreciation to Speakers</b>   |   |
| 3:15 - 3:45   | <b>P.M. Break</b>  |   |
|               | <b>Technical Session No. 3:</b><br><b>Moderator – ENGR. MARK ELSON C. LUCIO M.ASEP</b>   |   |
| 3:45 - 4:25   | <b>GEOTECHNICAL ENGINEERING:</b><br><b>“Bi-directional Static Pile Load Test”</b>  | <b>Mark Albert H. Zarco, Ph.D.</b><br><i>(Geotechnical)</i><br><br><i>Institute of Civil Engineering, University of the Philippines</i> |
| 4:25 - 5:05   | <b>GEOTECHNICAL ENGINEERING:</b><br><b>“Experimental Modelling of a Tide Embankment Section in Tacloban City Subjected to Storm Surge Waves”</b>           | <b>Lessandro Estelito O. Garciano, D. Eng., M. ASCE</b><br><br><i>De La Salle University</i>  |
| 5:05 - 5:20   | <b>Open Forum for Technical Session No. 3 and Awarding of Plaques of Appreciation to Speakers</b>  |   |
| 5:20 - 5:30   | <b>Reminders</b>   |   |
| 5:30          | <b>End of 1<sup>st</sup> Day of Conference</b>   |   |

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| <b>TIME</b>   | <b>Day 2 - Friday, August 23, 2019</b>  |  |
|---------------|---|--|
|               | <b>Technical Session No. 4:<br/>Moderator – ENGR. ERNIE C. ZARAGOZA</b>   |  |
| 8:00 - 8:40   | <b>CONSTRUCTION ENGINEERING:</b><br><i>“Soil Loss Rate and Sediment Control in Construction Sites During Storm Events”</i>                                | <i>Marla M. Redillas, Ph.D.</i><br><i>De La Salle University</i>   |
| 8:40 - 9:20   | <b>CIVIL/STRUCTURAL/SURVEYING:</b><br><i>“Drones Technology for Civil / Structural Engineering Application and its Implementing Rules and Guidelines”</i> | <i>Engr. Reynaldo A. Flordeliza</i><br><i>R.A. FLORDELIZA ENGINEERING CONSULTANCY</i>  |
| 9:20 - 9:30   | Open Forum for Technical Session No. 4 and Awarding of Plaques of Appreciation to Speakers  |  |
| 9:30 - 10:00  | A.M. Break  |  |
|               | <b>Technical Session No. 5:<br/>Moderator – ENGR. ARIEL P. SANTOS, F.ASEP</b>   |  |
| 10:00 - 10:40 | <b>ENVIRONMENTAL – WASTEWATER:</b><br><i>“Why is Wastewater Management Failing in this Country?”</i>  | <i>Engr. Jay Y. Tecson</i><br><i>Partnerships for Water Solutions, Inc.</i>  |
| 10:40 - 11:20 | <b>ENVIRONMENTAL – SOLID WASTE:</b><br><i>“Waste to Energy Technologies: Challenges and Opportunities for the Philippines”</i>                            | <i>Maria Antonina N. Tanchuling, Ph.D.</i><br><i>(Civil Engineering)</i><br><i>Institute of Civil Engineering, University of the Philippines</i> |
| 11:20 - 12:00 | <b>ENVIRONMENTAL – DISASTER RISK REDUCTION:</b><br><i>“Building Infrastructure Resilience at the Local Level: Looking Through Makati’s Milestones”</i>    | <i>Liza Velle B. Ramos, En.P.</i><br><i>Makati DRRM Office</i>   |
| 12:00 - 12:15 | Open Forum for Technical Session No. 5 and Awarding of Plaques of Appreciation to Speakers  |  |
| 12:15 - 1:15  | Lunch   |  |
|               | <b>Technical Session No. 6:<br/>Moderator – ENGR. FREDERICK FRANCIS M. SISON PP. M.ASEP</b>   |  |
| 1:15 - 1:55   | <b>CONSTRUCTION MANAGEMENT:</b><br><i>“Building Pre-construction Planning”</i>  | <i>Engr. Mariano S. Agoncillo</i><br><i>Datem Incorporated</i>   |
| 1:55 - 2:35   | <b>PROJECT MANAGEMENT:</b><br><i>“Project Management and Construction Engineering”</i>  | <i>Eustaquio T. Coronel, Jr. F.PICE</i><br><i>ETCOR</i>  |
| 2:35 - 2:40   | Open Forum for Technical Session No. 6 and Awarding of Plaques of Appreciation to Speakers  |  |
| 2:40 - 3:00   | PRODUCT PRESENTATION  |  |
| 3:00 - 3:20   | P.M. BREAK  |  |

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| <b>Technical Session No. 7:<br/>Moderator – ENGR. WALDEMAR M. DABUET</b> |   |
|--|---|
| <b>1:40 - 2:20</b>   | <p><b>WATER RESOURCES:</b><br/> <b><i>“The Philippine Water Resources (Do We Have Enough?)”</i></b></p> <p align="right"><b>Noel M. Ortigas, M.Eng.</b><br/> <i>(Hydraulic and Coastal Engineering)</i><br/><br/> <i>Engineering and Development Corporation of the Philippines (EDCOP)</i></p>                                       |
| <b>3:20 – 4:00</b>   | <p><b>WATER RESOURCES:</b><br/> <b><i>“Coastal Hazard Analysis and Engineering Design for the Rehabilitation of Overtopped RB Seawall along Manila Bay”</i></b></p> <p align="right"><b>Eric C. Cruz, D.Eng.</b><br/> <i>(Coastal Engineering)</i><br/><br/> <i>Institute of Civil Engineering, University of the Philippines</i></p> |
| <b>4:00 - 4:40</b>   | <p><b>WATER RESOURCES:</b><br/> <b><i>“Rapid River Assessment of Aganan, Jalaur, Sibalom, Suage, and Ulian Rivers in the Province of Iloilo”</i></b></p> <p align="right"><b>Engr. Nilo J. Jardeleza</b><br/><br/> <i>Western Institute of Technology, Iloilo City</i></p>  |
| <b>4:40 - 5:00</b>   | <b>Open Forum for Technical Session No. 7 and<br/>Awarding of Plaque of Appreciation to Speakers</b>  |
| <b>5:00 - 5:20</b>   | <b>Closing Ceremony</b><br><br><b>ENGR. RONALDO S. ISON F.PICE, F.ASEP</b><br>President, ASEP   |
| <b>5:20 - 6:00</b>   | <b>Issuance of Certificates of Participation</b>  |
| <b>6:00</b>  | <b>End of Conference</b>  |