

**PAASE Volunteerism to Promote Philippine Science, Engineering and Innovation  
October 24 – 25, 2018**

**National Institute of Physics (NIP), University of the Philippines Diliman (UPD)**

**Wednesday, 24 October 2018**

**Day 1: Empowering Academics and R&D in Universities  
as Hubs of R&D and Innovation Ecosystems**

| <b>Time</b>              | <b>Activity</b>  | <b>Speaker(s)/Facilitator(s)</b>  |
|--------------------------|--|---|
| <b>8:30-9:30 AM</b>      | <b>Registration</b><br>AM Snacks   |   |
| <b>9:30-9:35 AM</b>      | <b>Welcoming Remarks</b>   | Dr. Perry Ong, Dean of College of Science   |
| <b>9:35–9:50 AM</b>      | <b>Meeting Background</b>  | Dr. Joel Cuello, PAASE President  |
| <b>9:50-10:20 AM</b>     | <b>Keynote Speech</b>  | Dr. Ernesto Pernia, PH Socioeconomic Planning Secretary   |
| <b>10:20-11:15 AM</b>    | <b>PAASE Hall of Honor Awards and PAASE Distinguished Vanguard Awards</b>                              | Dr. Joel Cuello, PAASE President<br>Dr. Gisela Concepcion, PAASE Meeting Chair and PAASE Past President<br>Dr. Kathleen Aviso, PAASE Vice President |
| <b>11:15-11:20 AM</b>    | <b>PAASE Distinguished Vanguard Awardees' Response</b>   |   |
| <b>11:20-11:30 AM</b>    | <b>AVP Feature on PAASE</b>  |   |
| <b>11:30 AM-12:30 PM</b> | <b>Panel Presentations Part I</b>  | Dr. Gisela Concepcion, PAASE Meeting Chair  |
|                          | <b>Frontier Strategies and R&amp;D Applications as Showcases of Success</b>                            |   |
|                          | Global R&D Labs and Capacity Building: Plant Genomics and Crop Science                                 | Dr. Michael Purugganan<br><i>New York University</i>  |
|                          | Advanced Materials and the Philippine Engagement: From Sensors to 3D Printing                          | Dr. Rigoberto Advincula<br><i>Case Western Reserve University</i>   |
|                          | Interdisciplinary, Interface Frontier Research (Drug Discovery & Development)                          | Dr. Baldomero Olivera<br><i>University of Utah</i>  |
|                          | Opportunities in Employing the Biodiversity of the Philippines in New Therapeutics and Bioactive Foods | Dr. Carlito Lebrilla<br><i>University of California, Davis</i>  |
|                          | DOST-funded Innovation Breakthroughs   | Dr. Rowena Guevara<br><i>DOST</i>   |
|                          | Panel Q&A  | Dr. Gisela Concepcion, PAASE Meeting Chair and PAASE Past President   |
| <b>12:30–12:45 PM</b>    | <b>Group Photo</b>   |   |
| <b>12:45-2:30 PM</b>     | <b>Lunch &amp; Viewing of Exhibits and Posters, Judging of Posters</b>                                 |   |
| <b>2:30–3:30 PM</b>      | <b>Panel Presentations Part II</b>   | Dr. Joel Cuello, PAASE President  |
|                          | <b>Frontier Strategies and R&amp;D Applications as Showcases of Success</b>                            |   |
|                          | Sustainable Energy (Renewable Energy and Offgrid Electrification)                                      | Dr. Ernesto Terrado<br><i>DOE-ASEP</i>  |

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|---------------------|---|---|
|                     | Artificial Intelligence and Information Science (SMART CITIES)  | Dr. Christopher Monterola<br><i>Asian Institute of Management</i> |
|                     | A Philippine-US Collaboration in Graduate Education and Training: The UP-UH Experience  | Dr. Arnold M. Guloy<br><i>University of Houston</i>               |
|                     | Panel Q&A   | Dr. Joel Cuello, PAASE President                                  |
| <b>3:30-4:30 PM</b> | <b>Break-out Sessions</b><br>Discussions within Writing Groups  |   |
| <b>4:30-6:30 PM</b> | <b>Social Session</b><br>Commercial and Industry Exhibits<br>University Exhibits of Licenses Technologies<br>R&D Program booths in key Areas of Development<br>PM Cocktails |   |
| <b>END OF DAY 1</b> |   |   |

**Thursday, 25 October 2018**

**Day 2: Creating Academe, Government, and Industry Value Chains  
and R&D and Innovation Ecosystems**

| <b>Time</b>                   | <b>Activity</b>   | <b>Speaker(s)/Facilitator(s)</b>  |
|-------------------------------|---|---|
| <b>8:30-9:30 AM</b>           | <b>Registration</b><br>AM Snacks  |   |
|                               | <b>PAASE Members</b>  | <b>Other Participants</b>   |
| <b>9:30-9:45 AM</b>           | <b>Induction of New PAASE Members and Associate Members &amp; Recognition of PAASE Founding Members</b><br>Dr. Joel Cuello, PAASE President<br>Dr. Carlito Lebrilla, PAASE Board of Directors Chair | <b>Viewing of Posters &amp; Exhibits</b>                                |
| <b>9:45-10:30 AM</b>          | <b>Members' Meeting</b><br>Dr. Joel Cuello, PAASE President<br>Dr. Kathleen Aviso, PAASE Vice President<br>Dr. Carlito Lebrilla, PAASE Board of Directors Chair                                     |   |
| <b>10:30 AM–<br/>12:15 PM</b> | <b>Panel Presentations</b>  | Dr. Fabian Dayrit, PAASE Past President                                 |
|                               | NAST PROPOSAL for a Philippine STI 30-year Strategic Plan   | Dr. Rhodora Azanza<br><i>National Academy of Science and Technology</i> |
|                               | Technology Transfer and Business Development: Invention Disclosures and IP Sharing IP and Licensing Agreement Issues between Academe and Industry   | Dr. Luis Sison<br><i>UP TTBD</i>  |
|                               | Asian Biotech Venture Creation: How Academia and VCs can work Together to Create Value for Stakeholders and Jobs  | XiangQian (XQ) Lin<br><i>Esco Ventures</i>                              |
|                               | USAID STRIDE: Working with the Philippine Government and Academia to Increase both Output and Outcomes of Research  | Dr. Richard Abendan<br><i>USAID STRIDE</i>                              |

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|-----------------------|---|--|
|                       | VISSER Instrumentation for K11-12 and Tertiary, SMSE STEAM training and education   | Dr. Giovanni Tapang<br><i>UP Diliman</i>   |
|                       | Creating Learning-centered Humane Societies, Led by Suprastructure (PhD Expert level) Powerhouse  | Dr. Timothy Eing Ming Wu<br>Chair Professor<br><i>Shu-Te University</i><br><br>Executive Director<br><i>Edu-Connect Southeast Asia Association, Kaohsiung, Taiwan</i>  |
|                       | Regional R&D Hubs and Spokes and Governance based on Natural, Human Resources & Cultural Framework  | Dr. Edna Co<br><i>UP CIFAL Philippines</i>   |
| <b>12:15-12:45 PM</b> | <b>Panel Q&amp;A<br/>Summary and Synthesis</b>  | Dr. Alvin Culaba, PAASE Past President<br>Dr. Gonzalo Serafica, PAASE Past President<br>Dr. Fabian Dayrit, PAASE Past President  |
| <b>12:45-2:30 PM</b>  | <b>Lunch &amp; Viewing of Exhibits, Judging of Posters</b><br>Signing-up of Participants in Discussion and Writing Groups   |  |
| <b>2:30-3:30 PM</b>   | <b>Break-out Sessions</b><br>Discussions with Writing Groups  |  |
| <b>3:30-4:00 PM</b>   | <b>PM Cocktails</b>   |  |
| <b>4:00-5:00 PM</b>   | <b>Oral Presentations and Competition of Selected Projects (Rapid Fire – 7 Min.) from R&amp;D Program Booths and Posters</b><br>Dr. Kathleen Aviso, PAASE Vice President, PAASE Meeting Co-chair<br>Dr. Fabian Dayrit, Poster Competition Chair and Judge, PAASE Past President | <b>Collating of Final Documents from the Breakout Sessions</b><br>PAASE Members  |
| <b>5:00-6:00 PM</b>   | <b>Synthesis of Resolutions and Position Papers</b><br><b>Turnover to Sec. Pernia of PAASE Proposal Documents</b><br><b>Turnover to Sec. Pernia of Compendium of PAASE Experts and their CVs</b>  | Dr. Ernesto Pernia, PH Socioeconomic Planning Secretary<br>Dr. Joel Cuello, PAASE President<br>Dr. Carlito Lebrilla, PAASE Board of Directors Chair<br>Dr. Gisela Concepcion, PAASE Meeting Chair and PAASE Past President |
| <b>END OF DAY 2</b>   |   |  |