

"Accreditation and QA: Leading Transformations Towards Inclusive and Sustainable Development"

November 17, 18, & 19, 2020 1:00-5:30 pm (Ph Time)

Virtual

Manila, Philippines

Organized by:





PHILIPPINE TECHNOLOGICAL COUNCIL ACCREDITATION AND CERTIFICATION BOARD FOR ENGINEERING AND TECHNOLOGY

Supported by:



























o Messages



ACE 2020 was initially envisioned to be a Conference very much different from its 2016 inaugural edition – i.e., an international edition whereby participants could mingle, network, interact and have animated

discussions with international and local resource persons, guests and speakers, and fellow participants on the subject matters of their interests in the ballroom of one of the hotels of old Manila.

Then the pandemic came and it changed a lot in our lives, much to our dismay. However, we still remain steadfast with our ardent hope that very soon it will be back to normal. As everyone knows, despite the concerted efforts of our government and with the people, things did not turn out to be the normal that we were used to. Instead, it turned into what many called the "new normal".

We were persistent in pushing for ACE 2020, although we thought for a while that maybe we could hold it back to back with a related international convention which we will be hosting in 2021.

Pushed ACE 2020 we did! Now it's truly and entirely different from the 2016 edition. It has many firsts! It is the first time that we have the

national experts and also a number of internationally-renowned speakers in engineering education, accreditation and quality assurance all in one virtual place. While we have already experienced webinars of the size that we are expecting for ACE 2020, it is the first time that a big challenge such as ACE 2020 is being organized all in virtual mode by our planners and implementers in the various committees.

We welcome everyone to be the first to register for this our First Virtual ACE 2020, the first international edition and the first one to usher us into the new normal of doing things.

Dr. Lydia G. Tansinsin

Chair- Accreditation and Certification Board for Engineering & Technology

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ACE 2020 International, as envisioned, aims to bring together in one forum engineering educators, professionals, industry representatives, accreditation specialists, higher education policy-makers and regulators to discuss and share information on the many transformative changes that are beginning to significantly impact on the future of engineering.

The adoption of the theme "Accreditation & QA: Leading Transformations Towards Inclusive and Sustainable Development" for ACE 2020 presupposes the fact that one has "gotten out of the cocoon and one is ready to fly". Once out of the cocoon and upon feeling the cold winds of change, one may just simply choose to go with the wind or use its force, like the sail, to move the boat forward, however measured the advance maybe. It is in this context that ACE2020 invited those who are in the thick of these transformative changes in engineering education and practice, accreditation and QA, and who are



leaders in their own fields of engineering so that we, the participants, may listen, discuss, digest and synthesize those best practices that could make our flight a little easier and more focused towards greater heights of contributions to inclusive and sustainable development of our country.

Mabuhay! Welcome to ACE 2020!

o About ACE



PTC President

In ACE or Accreditation Conference in Engineering, PTC envisions a platform for the free exchange of information and discussions on current developments in international and local best practices in engineering and technology practice and education; engineering graduate attributes and engineering professional competence; teaching, learning and assessments; accreditation and quality assurance and other transformative changes as these impact on the future of engineering. It involves gathering participants from across educational institutions, professional organizations, accreditation bodies, government agencies, among other stakeholders into one forum. Involving local partners and stakeholders in its inaugural edition in 2016, ACE eventually started to reach out to the many partners and colleagues from among our counterparts at the AFEO, the FEIAP, the International Engineering Alliance, the Washington Accord, the AAET, NABEEA and the WFEO.

ACE 2020i, the 2020 edition of ACE, has been launched to afford participants and discussants a more global view of trends and practices in engineering practice and education, accreditation and quality assurance by inviting noted speakers and luminaries from the above partner institutions. With the speakers' presentations and participation during the ensuing discussions and fora, ACE organizers hope to offer participants the opportunity to clarify, discuss and dissect subject matters of interest and eventually integrate and synthesize learnings into their respective work realms.

ACE 2020 Invited International and Philippine Engineering Education and Practice Leaders, Engineering Professionals and Experts: Listen, discuss and assess best practices in engineering practice, internationalization and the future of engineering education, of engineering graduate attributes and professional competences, quality assurance, assessment and accreditation, the UN SDGs in engineering education, and, the 21st century skills with international engineering leaders, professional engineers and experts in the above areas.

Speakers have been invited from the Commission on Higher Education, the Department of Science and Technology, the International Engineering Alliance (IEA) and the Washington Accord, the World Federation of Engineering Organizations (WFEO), the Federation of Engineering Institutions of Asia and the Pacific (FEIAP), the ASEAN Federation of Engineering Organizations (AFEO), the ASEAN Academy of Engineering & Technology, the Institution of Engineering Education Taiwan, the Malaysian Society of Engineering and Technology, Singapore Institute of Technology, Mapua University, University of San Carlos, University of Santo Tomas, Batangas State University, among other higher education institutions in the country.





The following main topics have been lined up for the 3-day (PM only) event:

- Washington Accord "Gold Standard" of Engineering Education Quality: Way Forward
- Challenges, Opportunities, and Best Practices in Meeting the Requirements of Washington Accord
- Emerging Benchmarks of Graduate Attributes and Professional Competencies
- Developments in Engineering Education in the Digital Revolution: Accreditation Towards Mutual Recognition & Mobility
- Teaching, Learning and Assessments (TLA) in Engineering Education:
 Challenges and Opportunities in Online Learning
- Complex Engineering Problems and Engineering Activities (CEP/CEA) in the Context of a Washington Accord Engineering Program
- 3 Workshop Sessions on November 19, 2020 as follows:
 - Workshop No. 1: Teaching, Learning and Assessment Strategies in a Blended Learning Environment
 - Workshop No. 2: Complex Engineering Problems and Complex Activities in a Washington Accord Program
 - Workshop No. 3: Re-thinking Accreditation and Accreditation Reviews in a Blended Learning Environment





Date	Start Time	Finish Time	Activity	Speaker/Moderator/Reactor
17 November Tuesday	13:00	13:15	Opening	Dr. Lydia G. Tansinsin
	13:15	13:35	Keynote Presentation	Secretary Fortunato T. de la Peña
	13:35	14:15	Plenary Presentation #1	Em. Prof. Elizabeth Taylor
	14:15	14:45	Forum/Reaction	Dr. Tirso Ronquillo/Dr. May Rose Imperial
	14:45	14:50	HEALTH BREAK	PTC Secretariat
	14:50	15:30	Plenary Presentation #2	Prof. Kai Sang Lock
	15:30	16:10	Plenary Presentation #3	Em. Prof. Tan Sri Chuah Hean Teik
	16:10	16:50	Plenary Presentation #4	Dr. Reynaldo B. Vea
	16:50	17:20	Forum/Reaction	Dr. Tirso Ronquillo/Dr. May Rose Imperial
	17:20	17:35	Synthesis & Key Takeaways	Engr. Cezar S. de la Cruz
	13:00	13:15	Opening Remarks	Engr. Federico A. Monsada
	13:15	13:35	Keynote Presentation	CHED
	13:35	14:15	Plenary Presentation #5	Dr. Marlene Kanga
	14:15	14:45	Forum/Reaction	Dr. Adolfo Jesus R. Gopez
18 November	14:45	14:50	HEALTH BREAK	PTC Secretariat
Wednesday	14:50	15:30	Plenary Presentation #6	Dr. Mandy Liu
	15:30	16:10	Plenary Presentation #7	Prof Dr. Yong-Lim Foo
	16:10	16:50	Plenary Presentation #8	Prof Dr. Evelyn B. Taboada
	16:50	17:20	Forum/Reaction	Dr. Marita Dimaano/Dr. Francis Aldrine Uy
	17:20	17:35	Synthesis & Key Takeaways	Engr. Estrellita Bordallo
	13:00	13:15	Opening Remarks	Engr Elpidio L. Carlota
	13:15	13:55	Plenary Presentation #9	Ir. Prof. Megat Johari Megat Mohd. Nor
	13:55	14:35	Plenary Presentation #10	Prof. Dr. Philipina A. Marcelo
	14:35	14:55	Forum/Reaction	Dr. Cynthia C. Llanes
19	14:55	15:00	HEALTH BREAK	PTC Secretariat
November Thursday	15:00	16:00	Workshop 1	Prof. Alberto Laurito/Dr. Francis Aldrine Uy
			Workshop 2	Dr. Aura Matias/Dr.Rizalinda de Leon
			Workshop 3	Dr. Venus Quevedo/Dean Evelyn Raguindin
	16:00	17:00	Workshop Reports	Prof. Alberto Laurito
	17:00	17:15	Synthesis & Key Takeaways	Prof. Lourdes Lasian
	17:15	17:30	Closing Remarks	Engr. Romulo R. Agatep



	SPEAKER	PRESENTATION TITLE
0	Commission on Higher Education	Keynote Talk
0	Em.Prof. Tan Sri Chuah Hean Teik President – ASEAM Academy of Engineering & Technology Imm. Former President – FEIAP	Engineering Education in the Digital Revolution: Accreditation towards Mutual Recognition and Mobility
0	Prof. Dr. Foo Yong-Lim Asst. Provost – Singapore Institute of Technology	"Assessment for Learning Outcomes in Engineering Education – Challenges and Opportunities in Online Learning"
0	Dr. Marlene Kanga Imm. Past President – World Federation of Engineering Organizations 2013 President- Engineers Australia	Review of International Engineering Benchmarks for Graduate Attributes and Professional Competencies for engineers of the future.
0	Dr. Mandy Liu Deputy Executive Director Institute of Engineering Education Taiwan	Meeting the Washington Accord Requirements and Beyond: Case from IEET
0	Prof. Kai Sang Lock Deputy Chair – Washington Accord Professor – Singapore Institute of Technology	Preparing for Full Signatory Status in Washington Accord: Challenges and Best Practices
0	Prof. Dr. Philipina A. Marcelo Dean – Faculty of Engineering University of Santo Tomas, Manila	Case Study: University of Santo Tomas
0	Prof. Ir. Megat Johari Megat Mohd Noor President – Malaysian Society for Engineering & Technology Vice President – Federation of Islamic Engineering Organizations	Complex Engineering Problems and Complex Activities (tentative)
0	Hon. Sec. Fortunato de la Peña Secretary – Department of Science and Technology	The Future of S&T in the Philippines and What To Expect from Graduates of Engineering
0	Prof. Dr. Evelyn B. Taboada Dean – College of Engineering University of San Carlos	Enhanced Teaching and Learning in a Blended Learning Environment
0	Em. Prof. Elizabeth Taylor Chair -Washington Accord Deputy Chair-International Engineering Alliance	"Updates on the Washington Accord as the 'Gold Standard' of Engineering Education Quality and Way Forward"
0	Prof. Dr. Reynaldo B. Vea President – Mapua University	Case Study: Mapua University in the Global and Digital Age.

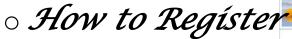
About PTC

The Philippine Technological Council or PTC is the umbrella organization of thirteen engineering professional organizations (EPO) in the country each composed of engineering professionals within one particular engineering discipline. Incorporated in 1980 as a non-stock, non-profit corporation under the laws of the Republic of the Philippines, PTC has been fulfilling its major role of being the focal point on subjects of common interest to all the EPOs. These matters necessarily span across all the engineering disciplines which invariably include matters on engineering education, professional attributes and qualifications exemplars development, engineering program accreditation and engineering personnel registration and international recognition, among others. To undertake these tasks, PTC organized two (2) major organizational units, among other functional committees, with one taking care of the competence-based assessment and registration of individual professionals, and the other doing outcomes-based assessment and accreditation of engineering programs. PTC remains a policy-making body and the setter of standards and guidelines for engineering professional registration and engineering program accreditation.

PTC currently maintains membership with the following international organizations, namely: the World Federation of Engineering Organizations (WFEO), the ASEAN Federation of Engineering Organizations (AFEO) of which PTC's Dr. Lydia Tansinsin was the Founding Chair, the International Engineering Alliance (IEA), the Federation of Engineering Institutions in Asia and the Pacific (FEIAP), and the Network of Accrediting Bodies for Engineering Education in Asia (NABEEA). PTC is a Provisional Member of Washington Accord and an Authorized Member of the APEC Engineer Agreement. On the local scene, PTC remains an active member of the Philippine Federation of Professional Associations.

About PTC-ACBET

PTC-ACBET or the PTC Accreditation and Certification Board for Engineering & Technology was created in 2010 as an independent body to implement PTC policies on the accreditation of engineering and technology programs in the country. Its members include representatives from each of the 13 discipline-based member-organizations of PTC. PTC-ACBET regularly taps the services of volunteers from the various EPO members of PTC who are senior academics or industry-based professionals to undertake the various activities involve in its accreditation review and decision processes.





Should you have some queries about ACE 2020 and HOW TO REGISTER, please get in touch with us:

o ACE 2020 Organizing Committee

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For Online Registration:

o Visit http://link.xperto.ph/ace2020