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| 09:00–9:25 | **Opening Session**  
  H.E. President & CEO of the Higher Colleges of Technology - Dr. Abdullatif Al Shamsi |
| 09:30–9:45 | **Opening Session**  
  Chief Academic Officer of the Higher Colleges of Technology Dr. Alex Zahavich |
| 09:45–10:30 | **Keynote Address**  
  “Developing and Assessing 21st century skills using 20th century approaches? – Time for a change”  
  - Dr. Cecilia Ka Yuk Chan  
  Founding President of The Asian Society for Engineering Education (AsiaSEE) - Head of Professional Development, The University of Hong Kong |
**Industry Address**
"Industry-Academia Collaboration: Thoughts on Enhancing Synergy and Current Capabilities"

**Dr. Fathi Finaish**
Mubadala Investment Company, UAE

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**Panel Discussion**

**Engineering Education during Covid-19 outbreak: sharing experiences**

- **Dr. Cecilia Ka Yuk Chan**  
  Head of Professional Development  
  The University of Hong Kong

- **Dr. Yin Ling Lai**  
  Dean, Faculty of Engineering and Quantity Surveying  
  INTI INTERNATIONAL UNIVERSITY

- **Dr. Saud Aldajah**  
  Ex. Dean, Faculty of Engineering  
  HCT

- TBC

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**Technical Sessions**

**Session A**

- **Comparing online and paper-based testing for physics courses at HCT**  
  Roy D Forrest (Higher Colleges of Technology, United Arab Emirates)

**Session B**

- **Case Study of Outcomes of Innovative Teaching methods adopted in Engineering Education in India**  
  Kausar Shaikh (University of Pune & AISSMS Institute of Information Technology, India)

**Session C**

- **A Comparison between Calculus I and Physics I Grades at the Higher Colleges of Technology (HCT)**

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**Thursday, 9th April 2020**

**Technical Session A**

**Zoom:**

13:00–16:00

**Session Chair:** Dr. Lina AL Momani
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<th>Time</th>
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| 14:00-14:20 | 1570606482 | *An Investigation Of Application Of Mathematics Review To Improve Problem Solving Skills And Active Learning Of Engineering Students In Physics Applied To Engineering Education*  
Rami Alahmad (Higher Colleges of Technology, United Arab Emirates & Yarmouk University, Jordan); Walid El-Jammal and Ahmad Abdelhadi (Higher Colleges of Technology, United Arab Emirates) |
| 14:20-14:40 | 1570614643 | *Methodological Application of Bootstrapping To Test Prevalence of Internet Addiction Disorder*  
Maninder Jeet Kaur (Canadore College, Canada); Sadia Riaz (S P Jain School of Global Management & Dubai International Academic City, United Arab Emirates); Arif Mushtaq (Higher Colleges of Technology, United Arab Emirates) |
| 14:40-15:00 | 1570616390 | *Mathematical misconceptions of students in Engineering education: statistical analysis and suggestions to pedagogical approaches*  
Jinendrika Weliwita and Jess Sanchez (HCT, United Arab Emirates); Mohammad Al Masalmeh (HCT-Fujairah, United Arab Emirates) |
| 15:00-15:20 | 1570640213 | *Smart Advising and Tailored Class Scheduling*  
Amjad Alsakarneh and Lina Momani (Higher Colleges of Technology, United Arab Emirates); Taha Tabaza (Al-Zaytoonah University of Jordan & Zuj, Jordan) |
| 13:00-13:20 | 1570616392 | *Retention at the University of Sharjah: Factors and Strategies*  
Hussein M Elmehti, Entesar Dalah and Aisha Bukhatir (University of Sharjah, United Arab Emirates); Almehdi Ibrahim (University of Manitoba, Canada & University of Gharyan, Libya) |
| 13:20-13:40 | 1570616494 | *Journey of Education Technology towards Innovation*  
Kamaladevi Baskaran (Amity University, United Arab Emirates) |
| 13:40-14:00 | 1570616630 | *Integrating VR-Enabled BIM in Building Design Studios, Architectural Engineering Program, UAEU: A Pilot Study*  
Khaled Galal Ahmed (United Arab Emirates University, United Arab Emirates) |
| 14:00-14:20 | 1570616669 | *Curriculum Development with a Global Perspective of an Established Master's Program in Civil Engineering*  
Aman Mwafy (United Arab Emirates University, United Arab Emirates) |
| 14:20-14:40 | 1570617345 | *An Exploratory Study of the Use of iTunesU when Teaching Foundation Mathematics Classes For Engineering Students*  
Nafeth Hamdi Al Hashlamoun (Higher Colleges of Technology, United Arab Emirates) |
| 14:40-15:00 | 1570617484 | *Remote laboratories for Engineering Education: status and prospects*  
Mykhailo Poliakov (Zaporizhzhia Politechnic National University, Ukraine); Ibrahim Rida (Higher Colleges of Technology, United Arab Emirates) |
| 15:00-15:20 | 1570618319 | *Minimal Portable Wind Tunnel for Engineering Education*  
Mohamed Ismail, Rafat Alnouti, Youssef Matter, Utsav KC and Mohamad Muflehi (HCT UAE, United Arab Emirates) |
| 15:20-15:40 | 1570606361 | *An Integrated Method for STEM Education using MATLAB*  
Nabila Azzam and Rula Kayyali (Higher Colleges of Technology, United Arab Emirates) |
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| 13:00-13:20  | 1570618422| **Utilizing a Data analytics project to increase student awareness of contemporary global issues**  
Rejitha Ravikumar and Pushpa Sadhwani (Higher Colleges of Technology, United Arab Emirates)                                                                                                                                                                                                                     |
| 13:20-13:40  | 1570620383| **Comparative Analysis Between UAE, UN, and the European Commission Guidelines for the Public Private Partnership**  
Aghyad Ibrahim Almasri and Mhd Anas Chamieh (University of Sharjah, United Arab Emirates); Saleh Abu Dabous (Civil Engineering, United Arab Emirates); Abdul Razak Alozi (University of Sharjah, United Arab Emirates)                                           |
| 13:40-14:00  | 1570620767| **Pilot Sims as a Model to Crash and Burn in Support of First Year University Success for Engineering Students**  
Bryn Holmes and Steven Zani (American University of Ras Al Khaimah, United Arab Emirates)                                                                                                                                                                                                               |
| 14:00-14:20  | 1570621660| **Integrating Interactive Learning in Teaching General Engineering Courses**  
Rihab Kamal M Hamza (United Arab Emirates University, United Arab Emirates); Waleed Ahmed (United Arab Emirates University & Al Ain, United Arab Emirates); Essam Zaneldin and Omar Alkhatib (United Arab Emirates University, United Arab Emirates) |
| 14:20-14:40  | 1570621977| **Integrating business courses in engineering programme to enhance engineer’s management competency- A case of interdisciplinary curriculum integration**  
Rachna Banerjee, Walid Zgalai and Bistra Boukareva (Higher Colleges of Technology, United Arab Emirates)                                                                                                                                                                          |
| 14:40-15:00  | 1570622026| **Developing innovation and entrepreneurship skills in Engineering students: Simulation games in the Desert**  
Jaishree Asarpota and Rachna Banerjee (Higher Colleges of Technology, United Arab Emirates)                                                                                                                                                                                                             |
| 15:00-15:20  | 1570640631| **Relevance of Bloom's Taxonomy to Hybrid Learning in Engineering Programs at HCT**  
Majid Akram (HCT, United Arab Emirates); Elgaali Elgaali (Higher Colleges of Technology, United Arab Emirates)                                                                                                                                                                      |

For any details, please contact:

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Innovations in Engineering Education Conference Chair