

## Thursday, 19th August

### Welcome & Institutional presentations (9:00 - 10:00)

4. **Collaboration between Educational Institutions and Industry**, Dr Daniel YAN, Vocational Training Council, Hong Kong

5. **Preparing Students for the Future of Work**, Dr. Boon Seong WOO, Temasek Polytechnic, Singapore

6. **Next generation learning - how to utilize interactive technologies to boost disruption in education**, Dr. Mika Luimula, Turku University of Applied Sciences, Finland

### Social break (10:00 - 10:15)

### Break (10:15 - 10:30)

### Industry keynote (10:30 - 11:15)

### Break (11:15 - 11:30)

### Parallel sessions (11:30 - 12:30)

Workshop 4	Workshop 5	Traditional 9 - Active Learning Environments Chair: Hui Leng Tan	Traditional 10 - Continuous Improvement and Quality Enhancement Chair: Anne Norström	Traditional 11 - Functional Engineering Materials Chair: Katsumi Katakura	Traditional 12 - Collaboration between Educational Institutions and Industry Chair: Tracy Law	Pre-recorded 3: Health Technology and Medical Engineering Chair: Chung Meng Lau
206: Incorporating Project Based Learning into Engineering Curriculum - Jimmy, S. M. TANG, K. C. Wong	102: Building a Proactive, Collaborative and Reflective Active Learning Environment - Wah Chin Irene Tan	57: A PBL-Oriented English Class to Foster Globally Competent Future Engineers - Setsuro Matsuda, Tadashi Horiuchi, Marshall Higa, Alam Ashraf, Jennifer Salsgiver	204: Consideration of the Special Course for Assistive Technology Engineer Development in collaboration with medical institutions - Mitsuhiro TANIWAKI, Takashi YOSHIKAWA, Mikio DEGUCHI, Yoshikazu MINAMOTO, Masafumi IMAI	136: Mechanical Property of Low-Melting Sn-Bi Lead-Free Solder Alloys - Akira Yamauchi	154: Collaboration programs to train international cadets for maritime English education on board - Jongdoc Park, Osami Yanagisawa, Jeric E. Bacasdoon, Koji Masuda	228: Practical education for advanced engineers of KOSEN based on assistive technology for a sustainable society - Kimiyasu Kiyota, Koichi Watanabe, Keijiro Araki, Akira Shionoya, Mitsuteru Inoue
		81: PBL for Deployment of Agricultural and Engineering Collaborative Education - Hironori KIKUGAWA, Tohru TAKAHASHI, Hirokazu SHIMADA, Kyuhei HONDA, Akinori FURUKAWA	140: Collaboration of Educational Institutions and Industry in Kita-Kinki Region - Yasuo UTSUMI, Takuya UENO, Kazuya TAMADA, Yoshinori KATO, Masanori TAKAHASHI, Kozo TOSHIHIRO	164: Low-temperature sintering of ZnAl <sub>2</sub> O <sub>4</sub> ceramics containing Cu <sub>3</sub> Nb <sub>2</sub> O <sub>8</sub> additive and their dielectric and thermal properties - Koichi Shigeno, Takuma Yano, Hirota Fujimori	166: REGIONAL COLLABORATIVE EDUCATION FOSTERS FUTURE-MINDED ENGINEER - Takuo FUJITA, Motoki SATOH, Fuyuko EGUCHI, Shinoki ONAGA, Maiko MATSUURA, Harunori FUJITA, Kiyoshi ISE, Shigenori AKAMATSU	180: Infection capability of materials using graphene film and its impedance characteristics. - Hideyuki Kanematsu, Ryoichi Nakagawa, Yuki Torisawa, Hidekazu Miura, Masato Ishihara, Masahito Ban, Dana M. Barry, Stefan Zimmermann
		121: Draft of Next Model Core Curriculum for Promotion of Information Security Education in KOSEN - Takayuki TATEKAWA, Yasuhiro URAYAMA, Yohei IWASAKI, Seiichi KISHIMOTO, Ryotaro KOMURA, Takeru MIYOSHI, Kentaro NOGUCHI, Yoshinori SAKAMOTO	111: Toward the Next Generation Education Which Contributes to Regional Revitalization With "KOSEN4.0" Initiative Project - Shigehiro Toyama, Shin-ichi Akazawa, Yoshihiro Tawara, Fujio Ikeda, Yuki Murakami	172: Fabrication of flexible magneto-optical indicator with KOSEN students for engineering education of non-destructive inspection - Ryosuke Hashimoto, Yuya Funaki, Toshiya Itaya	227: Sharing of the Hong Kong IVE Engineering Solar Car Project "SOPHIE" on Project-based Learning Outcome - Loi Wah Mike SUN, Siu Pun Simon SHUM, Sek Man Jimmy TANG	207: Oxygen Intake Estimation in Wheelchair Driving by Machine Learning - Akira Shionoya, Ryousuke Mizukami, Syogo Asanuma, Masahito Nagamori, Hisashi Uchiyama, Satoshi Ohashi
		199: Large Scale E-proctored Assessment for Home-based Learning - Safura Anwar, Tan Hua Joo, Andy Ngai, Toh Ser Khoon, Chia Chow Leong	234: Jobitti – Collaboration Between Higher Education Institutes and Industry within Biosciences - Anne Norström, Taina Hovinen, Sanna Soini	191: Tensile Examination and Strength Evaluation of Latewood in Japanese Wood - Akihiro Takahashi	176: Workplace Learning and Assessment in Applied Education in Hong Kong - KA YAN CANDY LIU, KAM FAT JONATHAN LEE, CHUN SING RAYMOND MAN	171: Evaluation of Prep-n-GoTM Buffer for DNA extraction in urine sample - Cheung Kuen Wan, Ka Po Ngai
						251: Development of a High Repetition Impulse Power Supply for Sterilization by High Electric Fields - Takahisa Ueno, Kyohei Asami, Takashi Furukawa, Takashi Sakugawa 221: Development of Remote Support System to Improve Physical Activity Habits of Elderly Patients with COPD - Chisato Ohashi, Shunsuke Akiguchi, Mineko Ohira

### Wrap-up (12:30 - 13:00)