

Wednesday, 18th August

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

1. KOSEN GEAR 5.0 TO FOSTER LEADING ENGINEERS FOR SOCIETY 5.0, Dr. Motomu Takeshige, NIT Suzuka College, Japan
2. NYP experience in developing I&E competencies in learners, Mr. Yang Tien, Nanyang Polytechnic, Singapore
3. PEDAGOGY FOR FUTURE PROFESSIONALS, Dr. Meiju Keinänen, Turku University of Applied Sciences, Finland

Social break (10:00 - 10:15)

Break (10:15 - 10:30)

Keynote session: KOSEN NOW, Dr. Mitsuteru INOUE, National Institute of Technology (KOSEN), Japan (10:30 - 11:15)

Break (11:15 - 11:30)

Parallel sessions (11:30 - 12:30)

Workshop 3	Poster 2: Sustainable Development	Traditional 5 - Health Technology and Medical Engineering	Traditional 6 - Continuous Improvement and Quality Enhancement	Traditional 7 - Active Learning Environments	Traditional 8 - Active Learning Environments & Pedagogy for future professionals	Pre-recorded 2 - Functional Engineering Materials
	Chair: Meiju Keinänen	Chair: Kazuhito Amanai	Chair: Wee Soon Ching	Chair: Tony Halim	Chair: K.C. Wong	Chair: Naritoshi Aoyagi
72: Innovative Multidisciplinary Project Teams in Virtual Environments - Mervi Varhelahti, Markku Lindell, Teppo Neuvonen	34: Initiatives in Maritime Education Class for the Purpose of Improving Motivation to Learn General Subjects - Keisuke Yamada	212: Effects of Wave Images on Standing Posture of Ship Crew - Takanori Sakamaki, Renon Doine	9: Follow-Up Report: A Classroom Study of TOEIC E-Learning at NIT, Hakodate College - Mariko Okuzaki	20: Creating a Self-Directed Learning Experience in Laboratory Practicals through a Project-Based Learning Approach - Akasta Sinaga, Qingxing, Noel Xu	179: Technical Exchange Between Thai and Japanese Students Working on a Mekong River Joint Project - Tomonari Masuzaki, Supachai Prainetr, Tomonori Tabusa, Hidetsugu Hukuda, Toshio Mukai, Ganbat DAVAA	175: Quantitative evaluation of Biofilms formed on various materials using crystal violet - Hideyuki Kanematsu, Kei Sakurai, Ryo Satoh, Dana M. Barry, Nobumitsu Hirai, Toshihiro Tanaka
	103: Human Resource Development of the IoT Engineers Based on the Remote Island Engineering - Hidetsugu Fukuda, Tomonari Masuzaki, Takeshi Ito, Tomonori Tabusa, Mitsuo Tada, Koichi Kuzume	219: Estimating the Emotional Information of the Songs using Search Engines - Jin Akaishi, Masaki Sakata, Mitsutaka Nakano, Kazuhiro Koshi, Kimiyasu Kiyota	10: Visualization of Students' Generic Skills Growththrough Overseas Internships - Kuniaki YAJIMA, Koji KAWASAKI, Yoshikatsu KUBOTA, Takashi SHIRANE, Hiroshi FUKUMURA	114: A Comparison Table to "Model Core Curriculum": English Learning at National Institute of Technology (KOSEN) - Osamu HARAGUCHI, Takahiro TAMURA, Takuro FUJITA, Yuki MIYAMOTO, Takaaki NAKATSUKA	203: DEVELOPMENT OF AN ARTIFICIALLY INTELLIGENT TUTOR CHATBOT FOR ENGINEERING EDUCATION INNOVATION - Joseph, Chun Ho SIU, Benson, Kin Ho HUNG	177: Evaluation for anti-viral characteristics of various metallic materials using Influenza A and feline calicivirus - Hideyuki Kanematsu, Dana M. Barry, Takeshi Kogo, Risa Kawai, Ryo Satoh
	220: Development and operation of Chinese language teaching materials for science students - Manabu Hatamura	237: Case Study of Curriculum Design of Computer Programming related to Assistive Technology - Manabu Shimakawa, Chiharu Okuma, Kimiyasu Kiyota	90: Fostering Collaborative Learning with Hackathon - Linda William	122: A Practice of Science Communication Through Drama Production - Midori Todayama	210: Blended Mode Education in Internationalisation – A Case Study of the VTC Globalites Programme - Kin-Ching Tang, Pui-Yiu Siu	181: On-site characterization of impurities in gypsum from waste plasterboards for circular economy system - Masamoto Tafu, Juna Nakamura, Momoka Tanii, Saori Takamatsu, Atsushi Manaka
	190: Accelerating STEM Education through Virtual Exchange in the Digital Era - Eva L.Y. Mak, Jonathan K.F. Lee, Jimmy S.M. Tang, Johnny N.F. Kwong	241: Image Correction Methods of Cirrhosis Liver Classification on CNNs - Yoshihiro Mitani	189: Learning path for immigrant engineers - Anita Hartikainen, Matti Kivimäki, Pauliina Paukkala, Mari Tauriainen, Tiina Hirard, Heli Kamppari	144: Transforming Learning Experiences: An LXD approach - Sherlyn Tang, Wendy Tan	213: The Challenges of Online Learning and Teaching in Practicum-based Education during COVID-19 Pandemic - Kwong-kei Murphy Lai, Yim-mei Kiano Luk	182: A concrete example of societal implementations based on GEAR Material Project - Takaya Sato, Hideyuki Kanematsu, Hitoshi Wake
	214: New Challenges from Teachers' Perspectives in Vocational and Professional Education and Training (VPET) during Pandemic - Kit Man, Gloria CHUNG					184: MORPHOLOGY CONTROL OF MONOMER-POLYMER HYBRID ELECTRON ACCEPTOR FOR BULK-HETEROJUNCTION SOLAR CELL - Takehito Kato, Yuki Kurokawa, Kei Nishii, Yasuyuki Ueda, Fuminobu Imaizumi, Daisuke Kawagoe, Shinosuke Suzuki, Hideyuki Kanematsu, Tadashi Fukumoto
	117: Efforts at Education and Student Guidance With a Focus on Comprehensibility and Diligently in KOSEN - Mitsuhiro Saito					225: Mechanical joining of two ultra-high-strength steel and one aluminium sheets using pre-punched middle sheet - Yohei Abe, Ken-ichiro Mori

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