

## Tuesday, 17th August

### Welcome (9:30 - 10:15)

Opening - Dr. Juha Kontio, ISATE 2021 Conference chair

Welcome - Rector, president Dr. Vesa Taatila, Turku University of Applied Sciences

Welcome - Dr. Taneguchi, NIT President, ISATE Council

Practical issues

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

### Keynote session: A JOURNEY THROUGH TOMORROW'S LANDSCAPE OF HIGHER ENGINEERING EDUCATION, Dr. Aldert KAMP (10:30 - 11:15)

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

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

Special session for Presidents & Principals	Workshop 1	Workshop 2	Poster 1: Active Learning Environments & Pedagogy for Future Professionals Chair: Meiju Keinänen	Traditional 1 - Health Technology and Medical Engineering Chair: Elina Kontio	Traditional 2 - Continuous Improvement and Quality Enhancement Chair: Sin Moh CHEAH	Traditional 3 - Collaboration between Educational Institutions and Industry Chair: Kai Chor Wong	Traditional 4 - Functional Engineering Materials Chair: Keishi Okamoto	Pre-recorded 1 - Active Learning Environments & Pedagogy for Future Professionals Chair: Juha Kontio
Chair: Vesa Taatila NOTE: Participation by invitation only	186: Challenges in embedding sustainable development in engineering education - Taru Konst, Piia Nurmi	93: Designing a Serious Game to Fit the Learning Outcomes - Linda William	41: Introduction of Active Learning for Advanced Class Students Through Visiting Class to Junior High Schools - Shigeyuki Nakamura	155: Research and activities on medical data analysis and medical diagnosis support system - Miyori Shirasuna	138: Report of the 2nd International Hackathon - Naruki Shirahama, Tatsuki Fukuda	115: Evaluating the Effectiveness of Student Internships in Educating Future Innovators - Brandon Siow	193: Fracture Behavior and Strength Degradation in Over-Aged Maraging Steel - Akihiro Takahashi	23: Ngee Ann Polytechnic's China Readiness Programme: An Interdisciplinary Approach to Future Readiness - Gertrude Yam Hua TAN
			24: Guidance Utilizing Self-Analysis for Completing Application Forms for Students Applying to Overseas Training Programs - Naoki KAKUDA, Kunihiko ASAKURA	162: Development of Flood Hazard Map for the Visually Impaired - Tomohiro Kiyotaki, Taisei Miyasaka, Hikonosuke Aizu, Yoshinori Fujisawa	168: On the Road of Industrial Collaborative Project-Based Learning at THEI: A Successful Pilot Case - K. L. Pun, Simon H. F. Wong, Roger T. H. Ng	101: Regional Collaborative Education Fosters Future-Minded Engineers - Takuo FUJITA, Motoki SATOH, Fuyuko EGUCHI, Shihoko ONAGA, Maiko MATSUURA, Harunori FUJITA, Kiyoshi ISE, Shigenori AKAMATSU	211: Synthesis and Properties of Graphene Oxide Composite Electrolyte Membrane with Single Ion Conductivity - Ryo SHOMURA, Ryota TAMATE, Takashi MORINAGA, Takaya SATO, Kazunori TAKADA	56: Utilizing ICT in a Practical Lecture of Information Literacy for First-Year Students at Anan KOSEN - Mio Kobayashi, Takashi Matsumoto, Shintaro Uchiyama, Hayato Okumoto, Yuko Ichikawa, Kyoji Umemura
			82: The Grand Design of English Education for the Global Engineer Program at NIT, Suzuka College - Takashi Kusaka, Michael Lawson, Hiroshi Hayashi, Etsuko Matsuo, Miyuki Nagai, Yuri Furuno	165: Development of Wearable Braille Reader - Akiha Yanagisawa, Shoichi Ito	95: Assignment Chatbot - Percy Wong	218: Narrowing Digital Gap in Children with Female College Students - Kaori Tsukazaki, Takeshi Shintoku, Takaaki Fukuzoe	216: Characterization of a double network ion gel formed by one pot synthesis - Hiroyuki Arafune, Kenta Miura, Sachiho Inoue, Yuto Tsuchida, Yuma Watarai, Takashi Morinaga, Toshio Kamijo, Takaya Sato	152: Online International Design Workshop: Developing an Architectural Design Online Together - Adriana Higashino, Kazumi Kudoh
			32: Teaching Method at NIT College to Develop Future Engineers That Corporate R&D Wants - Nobumasa Nishiyama	174: Development of Communication Tools for People with Speech Difficulties - Daichi Matsuzawa, Yoshinori Fujisawa	135: Enhancing Lecturer Teaching Competence in Cdio via Workplace Learning - Sin Moh CHEAH	250: Design and evaluate a online-based training program to enhance advice-giving practice of Community Pharmacy assistants - WAI KEI MAK	224: Characteristics of Powder Discharge by Vibrating Fluidization - Koichiro Ogata, Tsutomu Harada, Riho Abe, Hideo Kawahara, Eiji Mitani, Koji Mitani	260: Survey and Development of the Teaching Tool to educate Programming Thinking and Computational Thinking - Aoi Ohta, Keiichiro Abe, Koji Takamura
			153: Increasing student intrinsic motivation and self-efficacy through student initiated capstone projects - Kok Eng Ting					61: Line Trace Car Experiment - Norihiko Harada
			256: TEACHING OF JAPANESE LANGUAGE TO INTERNATIONAL STUDENTS BASED ON CDIO - Shunsuke Umeki					148: Project-based Learning for Aerospace Engineering Education - Poh Ghee Lim

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