

## Parallel Sessions Allocations

18 September 2019 **Day 2** Parallel Session 1 (13:30 – 15:00)

**Session Chair : Mr. Calvin Hoi Kok CHEUNG**  
**EdTech for the Future**

**B-1~5 , 3-2**

<i>Paper No.</i>	<i>Paper Title</i>
3063208	Matching Educational Programs with Skill of Students in Information Security Education Ryotaro Komura
3040614	Group learning with the elements of the game Nobuyuki Sochi
3056237	A Practice of Physics Education Using Interactive Electronic Books for Differential and Integral Calculus, Mechanics and an LMS Shigeyasu Fujiwara
3020676	Virtual and Augmented Reality Learning for Lift Maintenance - Substantial Advancement in Lift Maintenance Training Calvin Hoi Kok CHEUNG

**Session Chair : Dr. Yasuyuki Shimada**  
**EdTech for the Future**

**B-1~5 , 3-2**

<i>Paper No.</i>	<i>Paper Title</i>
3034335	PILOT STUDY: THE EFFECTIVENESS OF SMARTBOOK FOR FLIPPED CLASSROOM LEARNING IN SCIENCE Tiong Wei Tan
3031618	Encouraging Multimedia and Digital Literacy for College Students in Rural Japan in English Classes with Presentations and Video Editing Tomek Ziemba
3037749	Effects of Step-by-step Activation Learning in a Primary Computer Programming Class Noriaki Fujishima
3031898	Online-based educational framework of KOSEN Space Academia: Know-how of engineering training Taku Takada

**Session Chair : Mr. Mark Wan**  
**Learning Outcomes for Sustainable Development**

**B-1~5 , 3-2**

<i>Paper No.</i>	<i>Paper Title</i>
3036342	A proposal of a students' voluntary improvement cycle method by visualization of Generic Skills Koji Kawasaki
3055978	Using an Evidence-Based Reflective Practice Tool to enhance Professional Practice Mark Wan
3040700	Development of a new educational program based on local issues in the Maizuru Kosen Yohei Kobayashi
3032117	TEACHING STUDENTS SELF-DIRECTED LEARNING TO SUPPORT EDUCATION FOR SUSTAINABLE DEVELOPMENT Sin Moh Cheah

## Parallel Sessions Allocations

18 September 2019 **Day 2** Parallel Session 1 (13:30 – 15:00)

**Session Chair : Dr. Iori Nakaoka**

**B-1~5 , 3-2**

**Partnership and Collaboration in Engineering Education**

<i>Paper No.</i>	<i>Paper Title</i>
3032187	International Exchange Program for Development of Global Human Resources and Joint Research Osami Yanagisawa
3061003	A trial of cooperative education program based on PBL with local communities at NIT (KOSEN), Tomakomai College Sohey Nihashi
3062190	Developing Cross-Cultural Awareness in Provincial Hokkaido by Connecting Exchange Students and Kosen Japanese students David Taquet
3020397	Development of Capstone Innovation Project Course - Analysis of Project Assignments and Stakeholders Janne Roslof

**Session Chair : Mr. CHEUNG Ho Yeung, Tommy**

**B-1~5 , 3-2**

**Pedagogy for the Contemporary Learner**

<i>Paper No.</i>	<i>Paper Title</i>
3061557	Nurturing Smart City professionals through STEM Project of Unmanned Electric Rover Kelvin King Ting To
3041707	Classroom Study of 4th-year Kosen Students of NIT, Hakodate College for TOEIC E-Learning in 2018 Mariko Okuzaki
3060229	Benefits of Mentoring Relationships From the Perspective of the Mentor in Engineering Education Ho Yeung CHEUNG
3057884	Introduction of "Liberal Arts Discourse Meeting" at National Institute of Technology, Yonago College Masahiko Aoto

**Session Chair : Dr. Adriana Piccinini Higashino**

**B-1~5 , 3-2**

**Pedagogy for the Contemporary Learner**

<i>Paper No.</i>	<i>Paper Title</i>
3063367	Innovative STEM workshop for Engineering Education Chun Ho SIU
3048155	Learner-Centric Blended Learning Plan for an Engineering Module Florence Tann Loo Teoh
3055556	The Development of 21st Century Learning Expectations through Content Learning based Juan Antonio Sanchez Marquez
3062780	Creativity experiment incorporating organic light emitting diode fabrication Taichiro Morimune

## Parallel Sessions Allocations

19 September 2019 **Day 3** Parallel Session 2 (9:30 – 11:00)

**Session Chair : Mr. Tomek Ziemba**  
**EdTech for the Future**

**B-1~5 , 3-2**

<i>Paper No.</i>	<i>Paper Title</i>
3060557	Empowering Women in STEM: College Students and School Pupils Kaori Tsukazaki
3063270	Using Eye-tracking Equipment to Improve Reading Strategies on Standardized Tests Marshall Kiyoshi Higa
3070861	ANALYSIS OF CORRELATION BETWEEN CLASS ACTIVITY AND STUDENTS' ATTENTION IN AN ACTIVE LEARNING CLASS FROM BIOLOGICAL VIEWPOINT Yuko Ichikawa
3095905	ICT In Technical Teaching to English as Foreign Language (EFL) Learners Huiyu Zhang

**Session Chair : Mr. Andrew Vedamuthu**

**B-1~5 , 3-2**

**Learning Outcomes for Sustainable Development**

<i>Paper No.</i>	<i>Paper Title</i>
3040888	Establishment of Glocal Education and Research Center for Agricultural Engineering in NIT (KOSEN), Miyakonojo College - Educational Trials for Local Contribution and International Activity - Natsuki Takagi
3063098	Preliminary Development of a Self-Directed Learning Index for Polytechnic Students Andrew Vedamuthu
3063506	Development of an authentic assessment for an elective module in Diploma in Civil Engineering course Tracy Law
3061705	Students' Emotions Analysis using Reflection Sheet developed for PBL Type Course and Comparison with the PROG Test Analysis Yoshihiro Kajimura

**Session Chair : Dr. Akemi Emoto**

**B-1~5 , 3-2**

**Learning Outcomes for Sustainable Development**

<i>Paper No.</i>	<i>Paper Title</i>
3066510	The Effectiveness of a Language Program for KOSEN Students in the Philippines Yasuhiro Kuramashi
3095894	Mining Major Project Reports for Insights Kai Song Goh
3096094	EXPLORATORY LEARNING ANALYTICS: TRANSLATING SHAPES OF EDUCATIONAL DATA INTO EARLY INTERVENTION WARNING SIGNALS IN YEAR ONE COURSE Samantha Jin Sze Sow
3055262	The Importance of Building Collaborative Partnerships with Inbound and Outbound Partners Akira Okada

## Parallel Sessions Allocations

19 September 2019 **Day 3** Parallel Session 2 (9:30 – 11:00)

**Session Chair : Dr. Naruki Shirahama**

**B-1~5 , 3-2**

**Partnership and Collaboration in Engineering Education**

<i>Paper No.</i>	<i>Paper Title</i>
3062999	Partnership between Vocational Training Council and Overseas Universities in offering Top-up Engineering Degrees in Hong Kong Kin Ming WONG
3038051	A Recurrent Education for a Graduate from the Technical College through a Collaborative Reserach Ritsuo SAKIMURA
3062938	Nurturing 'global engineers' through international exchange activities: An attempt by NIT Nara College with the GECEP program Kazuhiro Itakura
3050418	Joint English Training Program in the Philippines Kangbin Lei

**Session Chair : Dr. Yuko Uesugi**

**B-1~5 , 3-2**

**Partnership and Collaboration in Engineering Education**

<i>Paper No.</i>	<i>Paper Title</i>
3039941	Interactive Educational Exchanges between Nagaoka KOSEN and ADTEC Melaka based on Project-Based Learning Susumu Nakamura
3060727	Exploring the Relations between the International Exchange Events and the Enhancement of Students' Motivation Yuko Uesugi
3014642	Developing Resilient Mindsets in Students for Natural Disasters by Engaging them in the Development of Pocket Maps and Guides Yoshiko Asami
3037671	Research and Practice on teaching mode of Shenzhen and Hongkong Higher Diploma cooperative education---Take the course of motor speed regulation as an example yuejun he

**Session Chair : Mr. Mineo Ikematsu**

**B-1~5 , 3-2**

**Pedagogy for the Contemporary Learner**

<i>Paper No.</i>	<i>Paper Title</i>
3097881	An Innovative Micro-Learning Approach that Addresses Industry Knowledge and Workplace Relevancy for Individuals and Corporates Noor Faridah A Rahim
3048537	Investigating Nudge Effects with Spaced Repetition Contemporary Learner's Motivation and Performance in Learning Data Communication and Networking YewFei Tang
3041223	The Importance of Face-to-face Discussion - An Attempt to Use "Conceptual Thinking Encouraging Materials" in Elementary Physics Education Takahiro Niwa
3063383	Active Learning Based on Tourism and Culture ?Contents Tourism as Teaching Material Akio Kikuchi

## Parallel Sessions Allocations

19 September 2019 **Day 3** Parallel Session 3 (11:10 – 12:40)

**Session Chair : Dr. Ryotaro Komura**  
**EdTech for the Future**

**B-1~5 , 3-2**

<i>Paper No.</i>	<i>Paper Title</i>
3052836	Online collaborative learning: Students' perception and learning experience - A mixed methods study Linghua Cai
3063028	A Blended Remote Learning Approach in Electronics Technology Module Andy Chung Hong Lee
3056359	Comparison of Hangeul Learning Methods for Japanese Learners Focusing on Vowels and Consonants Hiroaki Kosaka

**Session Chair : Mr. YING Kai Chi, Thomas**  
**EdTech for the Future**

**B-1~5 , 3-2**

<i>Paper No.</i>	<i>Paper Title</i>
3033737	Teaching Traditional Japanese Architecture: how the construction of an Okoshie can lead the students to a better spatial understanding Adriana Piccinini Higashino
3035555	Effectiveness of the PBL Approach in Civil Engineering to Deepen Students' Understanding Naho Takeda
3017243	ANALYSIS OF THE STUDY PERFORMANCE IN ENGINEERING MODULES BY APPLYING FLIPPED CLASSROOM CONCEPT Kai Chi Ying
3062551	Design of the Construction Engineer Education for i-Construction and its Application for the Recurrent Education Program Makoto Ohya

**Session Chair : Mr. NG Tsz Wang, Tristan**  
**Learning Outcomes for Sustainable Development**

**B-1~5 , 3-2**

<i>Paper No.</i>	<i>Paper Title</i>
3054570	A project-based learning approach in developing students' cross-discipline engineering skills Tsz Wang NG
3031512	Fostering Global Leaders through the "International Seminar on Technology for Sustainability" Chiharu Okuma
3057817	High Stake E-assessment in Engineering Jin Wei Tay
3016723	The Application of Practical Activities in Science and Engineering to Kosen English Curriculum Miyo Yokota

## Parallel Sessions Allocations

19 September 2019 **Day 3** Parallel Session 3 (11:10 – 12:40)

**Session Chair : Dr. Jongdoc Park**

**B-1~5 , 3-2**

**Partnership and Collaboration in Engineering Education**

<i>Paper No.</i>	<i>Paper Title</i>
3039276	Activity of scientific experiment club based on remote island engineering Takeshi Ito
3162947	Creation of Student's/Teacher's Beliefs and Japanese Language Curriculum Aimed at International Students in KOSEN Noboru Fukuda
3061673	Hong Kong/Tokyo Field Connection Louise Janvier
3062270	Disaster prevention education program in cooperation with prefectural area in Japan Yasuyuki Hirose

**Session Chair : Dr. Toshihiro Hiraishi**

**B-1~5 , 3-2**

**Pedagogy for the Contemporary Learner**

<i>Paper No.</i>	<i>Paper Title</i>
3034901	The Introduction of the "integral engineering class" at Tsuruoka KOSEN -Background, Design, and Future Directions- Ryo Shomura
3055137	Integrating Python programming into for specialist diploma courses in data science. U-Liang Tang
3035405	Curriculum Design based on Universal Maritime Education Akira Futamura
3063339	Development of a Task-based Online Self-learning System Using LMS Yoshiyuki Usuda

**Session Chair : Ms. Meiju Keinänen**

**B-1~5 , 3-2**

**Pedagogy for the Contemporary Learner**

<i>Paper No.</i>	<i>Paper Title</i>
3069963	Teaching AI to Advance Sustainable Development Goals Peter Leong
3038013	The Big Picture of Quality Enhancement @TUAS Juha Kontio
3039938	Implementation of the Remote Classes Between Maritime Colleges (Taking the ship health supervisor "Special lecture" as an example) Teruo Housyuyama
3039548	Feasibility Study of English Program Based on Communication using Standard Marine Communication Phrases (SMCP) Ikko Sakuma

## Parallel Sessions Allocations

19 September 2019 **Day 3** Parallel Session 4 (14:00 – 15:30)

**Session Chair : Dr. Kuniaki Yajima**  
**EdTech for the Future**

**B-1~5 , 3-2**

<i>Paper No.</i>	<i>Paper Title</i>
3062364	Introduction of trinity of science: physics, experiment and mathematics for international students Shunsuke Fujii
3038003	On the Support System KeTCindy for Creating Mathematics Teaching Materials using TeX Satoshi Yamashita
3049890	Augmented Reality in Chemistry: Effect on Learners' Academic Achievement and Learning Experience Jayden Wei Jie Ang
3039962	Practical Communication Class with a "USA" that is Located Ten Minutes from Kosen Hiroshi Nishiguchi

**Session Chair : Dr. Seiji Fujiwara**

**B-1~5 , 3-2**

**Learning Outcomes for Sustainable Development**

<i>Paper No.</i>	<i>Paper Title</i>
3056913	Scenario-based Learning in Bioinformatics: The Use of Infectious Disease Outbreak- Kim Sung Lee
3062406	Effect of career education using the training ship and Consideration of teaching technology Sadahiro Akiba
3057452	The Impact of Distributed Practice on Students' Academic Achievements in Database Systems Module Irene Wah Chin Tan
3036484	Investigating the efficiency of fostering basic social skills by active learning based on objective assessment Hideyuki Kobayashi

**Session Chair : Mr. Jason Jian Hao Kiang**

**B-1~5 , 3-2**

**Learning Outcomes for Sustainable Development**

<i>Paper No.</i>	<i>Paper Title</i>
3062254	etc lab. - an interdisciplinary centre for collaborative design and research to create social impact and change. Jason Jian Hao Kiang
3039457	Effect of PBL on Remote Controlled Robot Competition for Practical Engineering Education Tatsuya Kato
3052916	Using learning analytics to achieve better student learning outcomes in business statistics Eddie Yeou
3037652	Development of ESD student-centered delivery class Yasuhiro Nishii

## Parallel Sessions Allocations

19 September 2019 **Day 3** Parallel Session 4 (14:00 – 15:30)

**Session Chair : Dr. Hironori Arakawa**

**B-1~5 , 3-2**

**Partnership and Collaboration in Engineering Education**

<i>Paper No.</i>	<i>Paper Title</i>
3035015	An Inter-departmental collaborative program to motivate first-year KOSEN students to learn English Masashi Hirano
3060734	The Exposure is the Key: Similarities and Differences between the Malaysian and the Japanese English Education Systems Yuko Uesugi
3036082	How to foster global mindsets among first year KOSEN students -from a seven-year survey of the "Korea Joint Study Tour" program Hironori ARAKAWA

**Session Chair : Dr. Susumu Nakamura**

**B-1~5 , 3-2**

**Partnership and Collaboration in Engineering Education**

<i>Paper No.</i>	<i>Paper Title</i>
3023718	Programming course for elementary and junior high school students Toshie Matsumura
3041209	Implementation of Engineering Classes in KOSEN and Polytechnics in Malaysia Fumitake KATO
3062632	An International Hackathon with the theme of disaster prevention collaborating with industry Naruki Shirahama
3059694	Evaluation of Student Feedback on Exchange Programmes for Continuous Improvement Sze Hung Lee

**Session Chair : Mr. Esa Tapani Leinonen**

**B-1~5 , 3-2**

**Pedagogy for the Contemporary Learner**

<i>Paper No.</i>	<i>Paper Title</i>
3037770	Building Life Cycle Based Model in Civil Engineering Education - Better Co-operation with Working Life Esa Tapani Leinonen
3021347	Developmental Transfer of Japanese Language to English Skill for Japanese Adult Learners of English Mineo Ikematsu
3020310	STUDENT PERCEPTIONS AND EXPERIENCES OF CO-TEACHING IN A PROJECT-BASED SUBJECT Benson K.H. Hung
3060424	Engineering Education as Citizenship Education by P4C Taiji Ogawa



## Parallel Sessions Allocations

19 September 2019 **Day 3** Parallel Session 5 (15:40 – 17:10)

**Session Chair : Dr. Norihiko Harada**  
**EdTech for the Future**

**B-1~5 , 3-2**

<i>Paper No.</i>	<i>Paper Title</i>
3047837	THE EFFECTIVENESS OF BITE-SIZED TEACHING APPROACH FOR ADULT LEARNERS Noi Sian Koh
3056899	EVALUATING A LABORATORY LESSON CONDUCTED FOR SUPPLY CHAIN STUDENTS USING KOLB'S EXPERIENTIAL LEARNING CYCLE Jing Jin
3063142	Development of Community Based Learning Program as an Engineering Education for Regional Revitalization Shinya Takehara
3038616	Verification of the applicability of a participatory and deliberative energy education program in technical colleges Toshiro Kobayashi

**Session Chair : Dr. Kouji Kim**  
**EdTech for the Future**

**B-1~5 , 3-2**

<i>Paper No.</i>	<i>Paper Title</i>
3056398	A STUDY OF THE CHANGES IN DELIVERY METHODS OF A STATISTICS MODULE Samuel Chua
3050953	Typing during Lectures as an Alternative for Blackboard Writing Shunji Nishimura
3064676	Liberal Arts as a Learning Motivator for NIT Students Osamu Haraguchi
3034599	Development of an IoT Car Experiment Material in the K-SEC Project DOI Shigeo

**Session Chair : Dr. Tony Halim**  
**Learning Outcomes for Sustainable Development**

**B-1~5 , 3-2**

<i>Paper No.</i>	<i>Paper Title</i>
3101228	Collaborative Partnership with Students for Effective Engineering Service Learning Projects Andrew Seng Giap Kor
3056317	GENESIS@BME - An Integrated Approach to Technology Education in Biomedical Engineering WAI SING ONG
3042511	A Class for Human Resource Development Capable of Corresponding to Diversification of Energy Keisuke Yamada
3034385	Development and Practice of Ultraviolet Sensor Teaching Material for Improving Analysis Skills for self-study Naoki Kakuda

## Parallel Sessions Allocations

19 September 2019 **Day 3** Parallel Session 5 (15:40 – 17:10)

**Session Chair : Dr. Takashi Matsumoto**

**B-1~5 , 3-2**

**Partnership and Collaboration in Engineering Education**

<i>Paper No.</i>	<i>Paper Title</i>
3039386	Surveys on Career and Global Education for Program to Develop Legal Mind Kanaho Matsuda
3040173	Implementation of Global Mind Training Camp for KOSEN Students in Japan Mio Kobayashi
3012464	Enhanced English Competency of Teachers Using Global Approach for Maritime Colleges in Japan Jongdoc Park
3053970	Authentic Learning for Cyber Security: An Industry Practice Partnership James Tham

**Session Chair : Dr. Katsumi Katakura**

**B-1~5 , 3-2**

**Pedagogy for the Contemporary Learner**

<i>Paper No.</i>	<i>Paper Title</i>
3062303	Active lecture "Community and Engineering" Kazumi Furukawa
3168323	Making the change - Applying Five Models of Academic Developer Practice Liisa E Kairisto-Mertanen
3063173	Educational Program for Future Global Engineers in NIT, Suzuka College Nobumitsu Hirai
3062548	Self-directed research under a quarter system: How the unique research curriculum implemented, improved? Yoshimichi Nakamura

**Session Chair : Dr. Ching Wee Soon**

**B-1~5 , 3-2**

**Pedagogy for the Contemporary Learner**

<i>Paper No.</i>	<i>Paper Title</i>
3037670	Examination of the effect of individualized mastery learning based on external assessment Hotaka Yagyū
3045312	Competition-driven Learning for IoT Talents Arthur TT Yu
3058992	HOW TO DEVELOP STUDENTS INTO SELF-DIRECTIVE LEARNERS THROUGH PHYSICS CLASS AND LIBRARY? Toshiaki MATSUZAKI
3179935	Development of an Educational System to Provide for Virtual Labyrinthine Streets Based on Lines Drawn on a Paper Shiho Tokutake

**\*Please note that only first author is listed on this sheet. We will update continuously up to the conference.**

**Last Updated on September 4, 2019**