

EO Session E, Room 105, June 22 (Sat) PM
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Session E: GIGAKU and Education

14:00 ~ 15:10 Education Session I (Chairperson: Prof. Takashi Yamaguchi)

- EO-1: “Progress of Advanced Program for Strategic Engineering Promotion with Technical College Collaboration”
Yasushi Fukuzawa, Makoto Nanko, Masatoshi Takeda, Tadachika Nakayama, Takashi Yamaguchi (NUT, Japan)
- EO-2: “Learning from A Research of Overseas Industries”
Naritoshi Aoyagi¹, Tadachika Nakayama², Nobuhiro Harada², Mayumi Tanaka¹, Kou Ibayashi¹ (¹Nagaoka National College of Technology, Japan, ²NUT, Japan)
- EO-3: “Report on The Collaborative Subject I Organized by Toyama Kosen and Nagaoka University of Technology in Advanced Program- English Oral Presentation Seminar -”
Yoshihiko Shimizu¹, Makoto Nanko², Yukiko Nakayama³ (¹Toyama National College of Technology, Japan, ²NUT, Japan, ³Japan Society for Technical Communication, Japan)
- EO-4: “Second LAB: Toward Specialties on Multiple Fields”
Makoto Nanko, Masatoshi Takeda, Takashi Yamaguchi, Akira Shionoya, Yasushi Fukuzawa (NUT, Japan)
- EO-5: “Activities of Collaborating Courses in *"Advanced Program for Strategic Engineer Promotion with Technical College Collaboration"* that Technical Colleges and Nagaoka University of Technology and a Collaborating Subject *"Local industry and Globalization"*
Takashi Yamaguchi¹, Makoto Nanko¹, Masatoshi Takeda¹, Yasushi Fukuzawa¹, Yoshifumi Jodai², Makoto Inoue³, Shigekazu Suzuki⁴, Kenichi Kurumada⁴, Naritoshi Aoyagi⁵, and Susumu Nakamura⁵ (¹NUT, Japan, ²Toyama National College, Japan, ³Toyama National College, Japan, ⁴Fukushima National College of Technology, Japan, ⁵Nagaoka National College of Technology, Japan)

15:10 ~ 15:20 Coffee Break

15:20 ~ 17:00 Education Session II

(Chairperson: Prof. Toru Yoshiki Mikami and Prof. Naoko Lee Izuka)

- EO-6: “Traditions of GIGAKU Education: Integration of class room study and practicing experience in industry”
Yoshiki Mikami¹, Masato Aketagawa² (¹Vice President of NUT, ²Chairman of Internship Committee, NUT)
- EO-7: “Solutions to Enhance The Twinning Program between NUT and DUT”
Le Cung (Vice President of Danang University of Technology, Vietnam)
- EO-8: “School of International Education-HUST: One Spot for Higher Education for Vietnam Industrial Human Resource Development”
Nguyen Thi Phuong Mai (Dean of School of International Education, Hanoi University of Science and Technology, Vietnam)
- EO-9: “Fruitful Twinning Program between Nagaoka University of Technology and Zhengzhou University”
Jingbo Chen (Dean of School of the Material Science and Engineering, Zhengzhou University, China)
- EO-10: “NUT-HCMUT Twinning Program in Ho Chi Minh City University of Technology, Vietnam”
Do Hong Tuan (Dean, Faculty of Electrical and Electronics Engineering, Ho Chi Minh City University of Technology, Vietnam)
- EO-11: “Global Engineering Education and the Twinning Programs”
Elizabeth Gutierrez, Demofilo Maldonado (Universidad de Monterrey, Mexico)
- EO-12: “Internationalization: Present and Future in the Vision of University Quality Management”
Sonia Márquez (Universidad Autónoma de Nuevo León, Mexico)
- EO-13: “A Comparative Study of Science and Technology Related Terms in Different Languages”
Zin Maung Maung (University of Computer Studies, Mandalay, Myanmar)
- EO-14: “Developments of a Japanese Language Tutorial System on the Web”
Yoshiko Kawamura¹, Yoshiki Mikami² (¹Tokyo International University, ²Vice President of NUT)

EO Session E, Room 105, June 23 (Sun) AM
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Session E: GIGAKU and Education & Green

9:00 ~ 10:00 Education Session III (Chairperson: Prof. Takaomi Kobayashi)

EO-15(GO-8) “Double Degree Programs Increase Research Collaboration and Quality of Higher Education Institutions: A Study Case of the University of Guanajuato and Nagaoka University of Technology” (Invited)

Sergio Arias-Negrete¹, Erick Sánchez-Robles¹, Satoshi Sugita¹, Takaomi Kobayashi² (¹Universidad de Guanajuato, Mexico, ²NUT, Japan)
(this abstract is include in GO-08)

EO-16(GO-9) “Enhancing Research Collaborations through the Double Doctoral Degree Programme between Nagaoka University of Technology and Universiti Sains Malaysia (USM)” (Invited)

Norita Mohamed (Universiti Sains Malaysia, Malaysia)
(this abstract is include in GO-09)

EO-17(GO-10) “Research and Educational Collaboration and Cooperation Between the Hanoi University of Science and Technology and Nagaoka University of Technology”

Masao Fukuda¹, Pham Hoang Luong² (¹NUT, Japan, ² Hanoi University of Science and Technology, Vietnam)
(this abstract is include in GO-10)

10:00-10:10 Coffee Break

Session E: GIGAKU and Education

10:10-11:10 Education session IV (Chairperson: Prof. Yoshiharu Muto, Associate Prof. Chandrajith Ashuboda Marasinghe)

EO-18: “ICT Education Reform in Myanmar” (Invited)
Saw Sanda Aye (University of Computer Studies, Yangon, Myanmar)

EO-19: “E-learning System among Computer Universities of Myanmar using Wireless Network” (Invited)
Myat Thida Mon (University of Computer Studies, Yangon, Myanmar)

EO-20: “Towards to the Environmentally Sound Sustainable Development in South Asia” (Invited)
Sumithra Rahubaddha (Platform for Alternate Culture Institute, Sri Lanka)

11:10-11:20 Coffee Break

11:20-12:40 Education session V

(Chairperson: Associate Prof. Chandrajith Ashuboda Marasinghe)

- EO-21: “Creative Knowledge Media for GIGAKU Promotion” (Invited)
R.P.C. Janaka Rajapakse (Graduate Institute of Animation and Film Art, Tainan National University of the Arts, Taiwan)
- EO-22: “Japan’s First MBA+Doctorate in Engineering Management”
Jay Rajasekera¹, Yoshiki Mikami², Ashu Marasinghe², Philip Sugai¹, Kazushi Sano², Takashi Yamaguchi² (¹Graduate School of International Management, International University of Japan, ²NUT, Japan)
- EO-23: “Importance of GIGAKU Education in Asia: A Case Study of Japan Sri Lanka International University”
Ashu Marasinghe, Yoshiharu Mutoh (NUT, Japan)
- EO-24: What is GIGAKU? Teaching Through GIGAKUMAN”
Benitez Elizabeth, Hernandez Alejandro, Reyes Jose L., Marasinghe Ashu (NUT, Japan)

12:40 Close

POSTER E June 22 (Sat), 12:00 ~ 14:00

Session E: GIGAKU and Education

- EP-1: “Modified Self Organizing Map Algorithm for Unsupervised Learning”
Theint Theint Shwe (University of Computer Studies, Mandalay, Myanmar)
- EP-2: “Tentative Plan of the Career Education Program that Modeled Atmospheric Pressure Discharge Plasma”
Ayaka Kubo, Nobuaki Baba, Tsubasa Nakamura, Shinji Takeshita, Toru Sasaki,
Takashi Kikuchi, Nob. Harada (Oshima College of Maritime Technology, Japan)
- EP-3: “Collaborative Education in Water and Wastewater Engineering Fields between Thailand and Japan”
Wilasinee Yoochatchaval (Department of Environmental Engineering, Faculty of Engineering, King Mongkut’s University of Technology Thonburi, Bangkok, Thailand)
- EP-4: “Activity of “Techno-museum Lab.” of Second laboratory in ADC”
(this abstract is included in EO-04)
- EP-5: “Activity of “Sports Lab.” of Second laboratory in ADC”
(this abstract is included in EO-04)
- EP-6: “Activity of “Environmental Future Lab.” of Second laboratory in ADC”
(this abstract is included in EO-04)