



Inter-Academia Asia 2014

The 1st CONFERENCE

December 1st (Mon), 2nd (Tue), 3rd (Wed),

HOTEL ASSOCIA SHIZUOKA, JAPAN

<http://www.icsu.shizuoka.ac.jp/inter-academia-asia/index.html>



Shizuoka University





The 1st Conference

1– 3 December 2014, Shizuoka, Japan

1. Inter-Academia Asia: The 1st Conference

Date: 1st to 3rd December, 2014

Venue: Sumpu II (3rd floor) & Cattleya (4th floor) , Hotel Associa Shizuoka

<http://www.associa.com/english/sth/>

Program: First Day - Plenary Meeting, Monday 1 December

12 : 20~13 : 00 Registration

13 : 00~17 : 35 Plenary Meeting

18 : 15~ Conference Dinner

*Students go out for Shizuoka tour organized by Shizuoka Univ. student volunteers, and come back for the dinner (15:00 Meet at Hotel Lobby ~ 17:10 Hotel Associa)

Second Day - Symposium, Tuesday 2 December

8 : 45~09 : 15 Registration

9 : 15~11 : 00 IAA Young Researcher's symposium I

11 : 00~12 : 00 Special invited talk

* Take lunch by yourself.

13 : 10~16 : 45 IAA Young Researcher's symposium II

18 : 15~20 : 00 Networking Dinner

Third Day- Research meetings, Wednesday 3 December

Individual meetings with research partners at each campus

Plenary meeting: *'Mobility/ Joint degree programs for Master's degree education*

- 10 min. presentation by each delegate about the University and international program and activities for Master's students, and round- table discussion.
- Announce 2015 IAA

IAA Young Researcher's symposium

- 10 min. presentation including Questions & Answers

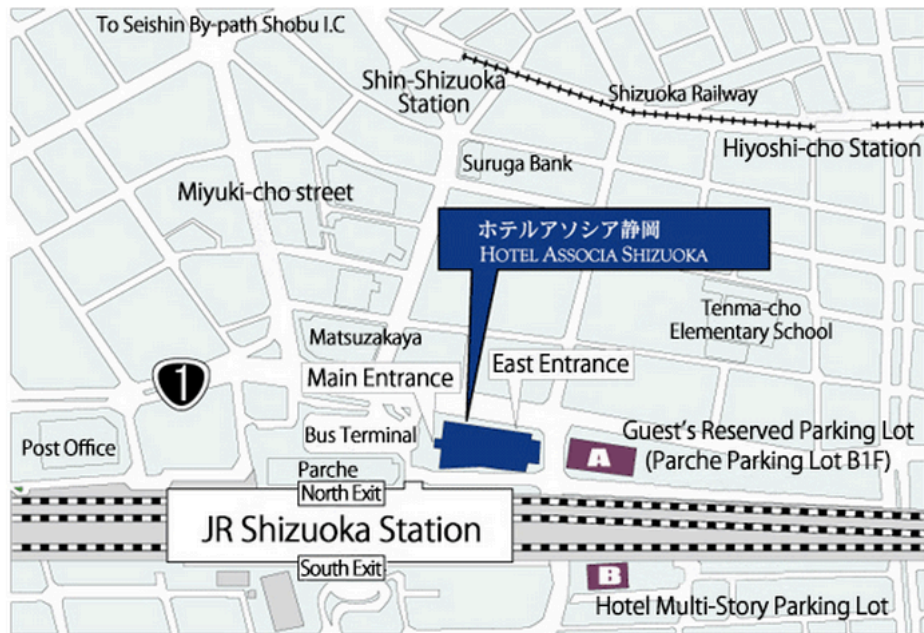
*Please receive the information for the travel expense refund processing when you check in the hotel Associa

* To presenters

Please bring your presentation, copy to the common computer **during the registration** or in **breaks before your talk**. Please bring the file in USB memory. We prepare common computers (Windows 7 & Macbook Air Os X).

Hotel Associa Access Information

JR Shizuoka Station 1 minute walk from North Exit



JR Shizuoka Station 1 minute walk from North Exit

56 Kuroganecho, Shizuoka Aoi-ku, Shizuoka 420-0851,

TEL : (054) 254-4141

FAX : (054) 255-3721

- 4 km / 15 minutes from Tomei Expressway Shizuoka Interchange
- 8.5 km / 20 minutes from Shin-Tomei Expressway Shin-Shizuoka Interchange (southbound on Route 27)

Access information

NOT EVERY Shinkansen, Hikari stops at Shizuoka Station. Please ask details in the station.

Shinkansen, Kodama stops every station.

From Narita International Airport to Shizuoka Station

Narita International Airport → (Narita express line approx.56 min) → Tokyo Station

→ (Tokaido Shinkansen "Hikari" approx.63 min / total fee 8,380 yen) → Shizuoka Station

From Tokyo International Airport(Haneda) to Shizuoka Station

Tokyo International Airport (Haneda) → (Keikyu airport line approx.20 min / 400 yen)

→ Shinagawa Station → (Tokaido Shinkansen "Hikari" approx.56 min / 5,670 yen) → Shizuoka Station

From Chubu International Airport (Centrair) to Shizuoka Station

Chubu International Airport (Centrair) → (Meitetsu airport line approx.43 min / 790 yen)
→ Kanayama Station→ (Tokaido main line approx.3 min / 160 yen) → Nagoya Station →
(Tokaido Shinkansen "Hikari" approx.58 min / 5,670 yen) → Shizuoka Station

From Kansai International Airport to Shizuoka Station

Kansai International Airport → (Kansai airport limited express line "Haruka" approx.51 min)
→ Shin-Osaka Station → (Tokaido Shinkansen "Hikari" approx.111 min / total fee 11,590 yen)
→ Shizuoka Station

Shizuoka Grand Hotel Nakajimaya for Networking Dinner, 2nd Dec 2014



Program

1st day

1st Dec 2014, Venue, Sumpu II, 3rd floor, Hotel Associa, Shizuoka

| | |
|---------------|--|
| 13:00 ~ 13:10 | Opening Remarks Welcome message & Introduction of Shizuoka University Director Prof. Shigehiko Suzuki (International Center, Shizuoka Univ) |
| | Plenary meeting 10 min talk (8 min: 1 bell, 10 min: 2 bells) Chair : Assoc. Prof. Yuko Ryan (International Center, Shizuoka Univ, Japan) |
| 13:10 ~ 13:20 | 1 Prof. Aminul I. Talukder (Department of Physics, Univ of Dhaka, Bangladesh) |
| 13:20 ~ 13:30 | 2 Prof. Jayavel Ramasamy (Faculty of Technology Anna Univ, India) |
| 13:30 ~ 13:40 | 3 Prof. Muthamizhchelvan Chellamuthu (Faculty of Engineering, SRM Univ, India) |
| 13:40 ~ 13:50 | 4 Prof. R.M. Gamini Rajapakse (Department of Chemistry, Univ of Peradeniya, Sri Lanka) |
| 13:50 ~ 14:00 | Greetings from President of Shizuoka Univ, Prof. Yukihiro Ito |
| 14:00 ~ 14:10 | 5 Vice-Director Le Xuan Phuong (Science-Technology and International Cooperation Division, Vietnam Forestry Univ, Vietnam) |
| 14:10 ~ 14:20 | 6 The talk was canceled. |
| 14:20 ~ 14:40 | Break |
| 14:40 ~ 14:50 | 7 Assoc. Prof. Ngo Minh Thuy (Oriental Languages and Cultures, Univ of Languages and International Studies, VNU, Hanoi, Vietnam) |
| 14:50 ~ 15:00 | 8 Deputy Director for Admini. Apinant Phongmethakul (Institute of East Asian Studies, Thammasat Univ, Thailand) |
| 15:00 ~ 15:10 | 9 Assoc. Prof. Pranee Jongsutjarittam (Department of Eastern Languages, Kasetsart Univ, Thailand) |
| 15:10 ~ 15:20 | 10 Assist. Prof. Nantana Srisuk (Department of Microbiology, Kasetsart Univ, Thailand) |

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| 15:20 ~ 15:30 | 11 | Assoc. Prof. Varit Srilaong (School of Bioresources and Technology, King Mongkut's Univ of Technology Thonburi, Thailand) |
| 15:30 ~ 15:40 | 12 | Research Manager, Nusyirwan Hamzah (Center for Japanese Studies, Univ Indonesia, Indonesia) |
| 15:40 ~ 16:10 | Break Chair: Prof. Noriko Matsuda (International Center, Shizuoka Univ, Japan) | |
| 16:10 ~ 16:20 | 13 | Prof. Yusuf Sudo Hadi (Faculty of Forestry, Bogor Agricultural Univ, Indonesia) |
| 16:20 ~ 16:40 | 14 | Lecturer, Tatas H.P. Brotosudarmo (Ma Chung Chung Research Center for Photosynthetic Pigments, Universitas Ma Chung, Indonesia) |
| 16:40 ~ 16:50 | 15 | Prof. Khairurrijal (Institut Teknologi Bandung, Indonesia) |
| 16:50 ~ 17:00 | 16 | Lecturer, Tri Joko (Department of Crop Protection, Faculty of Agriculture, Universitas Gadjah Mada, Indonesia) |
| 17:00 ~ 17:20 | Round Table | |
| 17:20 ~ 17:30 | Announce 2015 IAA | |
| 17:30 ~ 17:35 | Announcements | |
| 18:15 ~ | Conference dinner, Aoi, 3rd floor, Hotel Associa | |

2 nd day

2nd Dec 2014, Venue, Cattleya, 4th floor, Hotel Associa, Shizuoka

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| 9:15 ~ 9:20 | Opening Remarks | |
| | Young Researcher's Symposium I 10 min talk including Q&A (7 min: 1 bell, 10 min: 2 bells) Chair: Associ. Prof. Tadahiro Wada | |
| 9:20 ~ 9:30 | 1 | Ahmad Yasin Rabbani (Institut Teknologi Bandung, Indonesia) Development of Ethylene Glycol Stabilized Fe₃O₄ Nanofluid and Its Application for Viscosity Reducing of Heavy Oil in Aquathermolysis |
| 9:30 ~ 9:40 | 2 | Yoan Elfina Litani (Institut Teknologi Bandung, Indonesia) Levelized Cost of Energy Mapping and Potential Identification of On-Grid PV in Sumatra, Indonesia |

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| 9:40 ~ 9:50 | 3 | Rolamjaya Hotmartua (Institut Teknologi Bandung, Indonesia) A Review of Energy Harvesting Method from Human Body Motion for Human Embedded System Chair: Assis. Prof. Ami Sawano |
| 9:50 ~ 10:00 | 4 | Hirofumi Ibayashi (Graduate School of Informatics, Shizuoka Univ, Japan) Implementation of robust wireless sensor and actuator network system for agriculture |
| 10:00 ~ 10:10 | 5 | Andika Yudha Utomo (Faculty of Computer Science, Univ Indonesia, Indonesia) Development of Gamified Pedagogical Agent in Moodle Learning Management System |
| 10:10 ~ 10:20 | 6 | Yoshiki Kurita (Graduate School of Informatics, Shizuoka Univ, Japan) A Study of the Japanese Fandom of Anime |
| 10:20 ~ 10:30 | 7 | Mayu Shido (Graduate School of Education, Shizuoka Univ, Japan) The research on earthquake disaster prevention awareness among international residents, foreign students, and Japanese university students in Shizuoka city |
| 10:30 ~ 10:40 | 8 | Kaori Nagura (Graduate School of Humanities and Social Sciences, Shizuoka Univ, Japan) Fair Trade– Diversity and Ambiguous “Fairness” in Japan |
| 10:40 ~ 10:50 | 9 | Korapan Mankoso (Department of Eastern Languages, Kasetsart Univ, Thailand) 日・タイの若者のことわざの使用度と認知度 |
| 10:50 ~ 11:00 | | Break |
| 11:00 ~ 12:00 | | Special invited talk Chair: Prof. Ritsuo Iwata Guest Speaker: Tomohiro Ito, Manager in Indonesian Site (Territory Group Production Planning Division Manufacturing, Planning Section Manufacturing Center, Yamaha Motor Co) Global MONOZUKURI (Manufacturing) Strategy |
| 12:00 ~ 13:10 | | Lunch Break |

| | | Young Resercher's Symposium II | |
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| | | Chair: Assoc. Prof. Saori Miyazaki | |
| 13:10 | ~ | 13:20 | 10 Indriatmoko (Ma Chung Research Center for Photosynthetic Pigments, Universitas Ma Chung, Indonesia) Biochemical studies of pigments producing species in adaptation to environmental conditions |
| 13:20 | ~ | 13:30 | 11 Supa Puangnim (King Mongkut's Univ of Technology Thonburi, Kasetsart Univ, Thailand) Efficacy of Antagonistic <i>Streptomyces</i> sp. on Controlling of Damping off in Cruciferae |
| 13:30 | ~ | 13:40 | 12 Chavin Pliumchareorn (Department of Agricultural Technology, Thammasat Univ, Thailand) Efficiency on replacement of phosphorus fertilizer by arbuscular mycorrhizal fungi |
| 13:40 | ~ | 13:50 | 13 Suthida Jaroonroj (Department of Microbiology, Kasetsart Univ, Thailand) Application of filamentous fungi to control coconut pest |
| 13:50 | ~ | 14:00 | 14 Rika Alfianny (School of Life Sciences and Technology, Institut Teknologi Bandung, Indonesia) Tomato induced resistance systemic with rhizosphere bacteria in root knot nematode (<i>Meloidogyne</i> spp.) control |
| 14:00 | ~ | 14:10 | Break |
| 14:10 | ~ | 14:20 | 15 The talk was canceled. |
| 14:20 | ~ | 14:30 | 16 Putri Prasetyaningrum (Department of Plant Breeding, Gadjah Mada Univ, Indonesia) Molecular markers development for citrus and its wild relatives related to huanglongbing disease |
| 14:30 | ~ | 14:40 | 17 Yasuno Tanaka (Graduate School of Agriculture, Shizuoka Univ, Japan) Isolation and characterization of STOP1 ortholog genes of tea plant (<i>Camellia sinensis</i> L.) |
| 14:40 | ~ | 14:50 | 18 Daisuke Kato (Graduate school of Agriculture, Shizuoka Univ) The effect of polymer for the master-batch on mechanical properties of wood flour/polypropylene composite |
| 14:50 | ~ | 15:00 | Break |
| | | Chair: Prof. Yasuhiro Hayakawa | |

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| 15:00 ~ 15:10 | 19 | Mohamed Mathar Sahib Ibrahim Khaleelullah (Centre for Nanoscience and Technology, Anna Univ, India) Synthesis and fuctionalisation of magnetic iron oxide nanoparticles for bio-imaging application |
| 15:10 ~ 15:20 | 20 | Ahmad Ibrahim (Institut Teknologi Bandung, Indonesia) Performance of Natural Dyes as Photosensitizers for Dye-Sensitized Solar Cells |
| 15:20 ~ 15:30 | 21 | Yushi Tanakura (Applied Chemical Biochemistry, Shizuoka Univ, Japan) Optimal conditions for second harmonic generations in Au nanorods/NLO polymer complex systems |
| 15:30 ~ 15:40 | 22 | Nhat An Tran (Electrical and Electronic Engineering Department, Shizuoka Univ, Japan) Basic study on surface treatment of polymer thin film by using atmospheric plasma jet |
| 15:40 ~ 15:50 | | Break |
| 15:50 ~ 16:00 | 23 | Tati Nurhayati (Institut Teknologi Bandung, Indonesia) FTIR study of molecularly-Imprinted polymer (MIP) of theophylline synthesized using cooling-Heating method |
| 16:00 ~ 16:10 | 24 | Yuki Yasuda (Department of Electronics and Materials Science, Shizuoka Univ, Japan) Evaluation of compounds with oxygen adsorption/desorption function for proton exchange membrane fuel cell |
| 16:10 ~ 16:20 | 25 | Takanori Suzuki (Department of Electronics and Materials Science, Shizuoka Univ, Japan) Simple syntheses of morphologically controlled nanowires |
| 16:20 ~ 16:30 | 26 | Pradeep Raja Anandan (Physics and Nanotechnology, SRM Univ, India) Low temperature synthesis of Nickel ferrite Nanostructures and doped with gadolinium for magnetic based theragnostic system |
| 16:30 ~ 16:40 | 27 | Rahma Nur Komariah (Department of Forest Products, Bogor Agricultural Univ, Indonesia) Physical-mechanical properties of glued laminated timber made from tropical small-diameter logs grown in indonesia |
| 16:40 ~ 16:45 | | Closing Remarks Prof. Darius Greenidge (Organization for the Promotion of Global Education Program, Shizuoka Univ) |

18:15 ~

**Networking Dinner at Shizuoka Grand Hotel
Nakajimaya**

3rd day

3rd Dec 2014, Research meetings at each campus, Shizuoka Univ

| Shizuoka Campus | | Hamamatsu Campus |
|-----------------------------------|---------------|--|
| To be announced at the conference | 11:30 | The Bus will pick participants at the back entrance of Hotel Associa |
| | 14:00 | Arrive at Hamamatsu Campus, via Miyakoda Techno |
| | 15:00 | Gather at Prof Takayanagi Memorial Hall |
| | 15:00 ~ 16:30 | Campus tour |

Conference Attendee List

Conference Attendee List (Professors)

In alphabetical order

| Country | University | Name/ Title |
|--|--------------------------------|---|
|  Bangladesh | University of Dhaka | Aminul I. Talukder Professor, Department of Physics |
|  India | Anna University | Moorthy Babu Sridharan Professor, Crystal Growth Centre, Faculty of Technology |
| | | Ramasamy Jayavel Professor and Director, Centre for Nanoscience and Technology |
| | SRM University | Chellamuthu Muthamizchelvan Director, Faculty of Engineering and Technology |
|  Indonesia | Bogor Agricultural Univerisity | Bambang Hero Saharjo Dean, Faculty of Forestry |
| | | Leti Sundawati Doctor, Faculty of Forestry |
| | | Yusuf Sudo Hadi Department of Forest Products, Faculty of Forestry |
| | Institut Teknologi Bandung | Khairumrijal Professor, Physics of Materials and Instrumentation, Secretary of Institute for Research and Community Services (LPPM) |
| | | Muhammad Miftahul Munir Assistant professor, Department of Physics |
| | | Tati Suryati Syamsudin Dean, Lecturer, School of Life Science and Technology |
| | Universitas Gadjja Mada | Tri Joko Lecturer, Department of Crop Protection, Faculty of Agriculture |
| | Universitas Indonesia | Nusyirwan Hamzah Research Manager, Center for Japanese Studies |
| | Universitas Ma Chung | Tatas H.P. Brotosudarmo Lecturer, Department of Forest Products, Faculty of Forestry |
|  Japan | Shizuoka University | Ami Sawano Specially appointed assistant professor, Organization for the Promotion of Global Education Programs |
| | | Atsushi Sugita Professor, Department of Applied Biochemistry, Graduate School of Engineering |
| | | Darius Greenidge Specially appointed professor, Organization for the Promotion of Global Education Programs |
| | | Hirokazu Tatsuoka Professor, Department of Electronics and Materials Science, Graduate School of Engineering |
| | | Hiroko Kumai Professor, International Center |
| | | Hiroshi Mineno Associate Professor, Graduate School of Informatics |
| | | Itsuo Harasawa Professor, International Center |



Japan

Shizuoka University

Kazuhide Kimbara

Professor, Department of Applied Chemistry and Biochemical Engineering,
Graduate School of Engineering

Kenji Murakami

Professor, Graduate School of Engineering

Kiyoshi Ishii

Professor, Trustee, Vice-President for Educational Affairs

Koichiro Awai

Associate Professor, Graduate School of Science

Kyoko Anno

Associate Professor, International Center

Mari Hakamata

Associate Professor, International Center

Mika Suzuki

Professor, Department of Language and Literature, Faculty of Humanities and
Social Sciences

Noriko Matsuda

Professor, International Center

Ritsuo Iwata

Specially Appointed Professor, Organization for the Promotion of Global
Education Programs

Saori Miyazaki

Specially Appointed Associate Professor, Organization for the Promotion of
Global Education Programs

Satoko Morino

Professor, Graduate school of Informatics

Shigehiko Suzuki

Professor, Vice President for International Strategic Affairs, Director of the
International Center

Shinji Tokuyama

Associate Professor, Department of Applied Biological Chemistry, Graduate
School of Agriculture

Takashi Tanaka

Assistant Professor, Graduate School of Agriculture

Tadahiro Wada

Associate Professor, Department of Electric and Electronic Engineering,
Graduate School of Engineering

Takeshi Sako

Dean, Department of Engineering

Xinhong Liu

Invited Professor ABP, Graduate School of Engineering

Yasuhiro Hayakawa

Professor, Research Institute of Electronics

Yasutaka Tanaka

Associate Professor, Department of Electronics and Materials
Science, Graduate School of Engineering

Yasuto Shirai

Professor, Graduate School of Informatics

Yoshisuke Kumano

Professor, Graduate School of Education

Yugo Takeuchi

Professor, Graduate School of Informatics

Yukhiro Ito

President




Yuko Ryan



Associate Professor, International Center

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|--|---|---|
|  Thailand | Kasetsart University | Nantana Srisuk Head of Department of Microbiology, Faculty of Science Pranee Jongsutjarittam Head of Department of Eastern Languages, Faculty of Humanities Supa Hannongbua Dean, Faculty of Science Vichien Kitpreechavanich Department of Microbiology, Faculty of Science |
| | King Mongkut's University of Technology Thonburi | Varit Srilaong Associate Professor, Division of Postharvest Technology, School of Bioresources and Technology |
| | Srinakharinwirot University | Donrudee Suwankiri Assistant Professor, Faculty of Social Sciences |
| | Thammasat University | Apinant Phongmethakul Lecturer, Deputy Director for Administration Institute of East Asian Studies Charuporn Wongbandit Executive Secretary, Institute of East Asian Studies Phakpen Poomipan Lecturer, Department of Agricultural Technology, Faculty of Science and Technology |
|  Sri Lanka | Peradeniya University | R. M. Gamini Rajapakse Professor, Department of Chemistry |
|  Vietnam | Vietnam Forestry University | Le Xuan Phuong Vice-Director of Science-Technology and International Cooperation Division Tran Van Chu President |
| | Vietnam National University, Hanoi | Dao Thi Nga My Vice Dean of Faculty of Oriental Languages and Cultures Nguyen Hoa President Ngo Minh Thuy Dean of Faculty of Oriental Languages and Cultures Pham Van Ngoc Vice president |
| Guest Speaker | | |
|  Japan | YAMAHA MOTOR CO., LTD | Tomohiro Ito Manager in Indonesian Site, Territory Group, Production Planning Division, Manufacturing Planning Section, Manufacturing Center |

Conference Attendee List (Students)

In alphabetical order

| Country | University | Name/ Department |
|--|--|--|
|  India | Anna University | Mohamed Mathar Sahib Ibrahim Khaleelullah Centre for Nanoscience and Technology, Faculty of Technology |
| | SRM University | Pradeep Raja Anandan Physics and Nanotechnology, Faculty of Engineering |
|  Indonesia | Bogor Agricultural Univeristy | Rahma Nur Komariah Department of Forest Products, Faculty of Forestry |
| | Institut Teknologi Bandung | Ahmad Ibrahim Advanced Functional Material Laboratory, Department of Engineering Physics, Faculty of Industrial Technology |
| | | Ahmad Yasin Rabbani Department of Physics, Faculty of Mathematics and Natural Sciences |
| | | Rika Alfianny School of Life Sciences and Technology |
| | | Rolamjaya Hotmartua School of Electrical Engineering and Informatics |
| | | Tati Nurhayati Physics of Electronic Materials Research Division, Faculty of Mathematics and Natural Sciences |
| | | Yoan Elfina Litani School of Electrical Engineering and Informatics |
| | Universitas Gadjja Mada | Putri Prasetyaningrum Department of Plant Breeding Faculty of Agriculture |
| | Universitas Indonesia | Andika Yudha Utomo Faculty of Computer Science |
| Universitas Ma Chung | Indriatmoko Research Assistant, Department of Forest Products, Faculty of Forestry | |
|  Japan | Shizuoka university | Daisuke Kato Graduate School of Agriculture |
| | | Hirofumi Ibayashi Graduate School of Informatics |
| | | Kaori Nagura Graduate Schol of Social and Human Studies |
| | | Mayu Shido Graduate School of Education |
| | | Nhat An Tran Department of Electrical and Electronic Engineering, Graduate School of Engineering |
| | | Takanori Suzuki Department of Electronics and Materials Science, Graduate School of Engineering |

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|  <p>Japan</p> | <p>Shizuoka university</p> | <p>Xiang Meng Department of Electronics and Materials Science, Graduate School of Engineering</p> <p>Yasuno Tanaka Graduate School of Agriculture</p> <p>Yoshiki Kurita Graduate school of Informatics</p> <p>Yuki Yasuda Department of Electronics and Materials Science, Graduate School of Engineering</p> <p>Yushi Tanakura Department of Applied Chemical Biochemistry Engineering, Graduate School of Engineering</p> |
|  <p>Thailand</p> | <p>Kasetsart University</p> | <p>Korapan Mankoso Department of Eastern Languages, Faculty of Humanities</p> <p>Suthida Jaronroj Department of Microbiology, Faculty of Science</p> |
| | <p>KMUTT University</p> | <p>Supa Puangnim Division of Postharvest Technology, School of Bioresources and Technology</p> |
| | <p>Thammasat University</p> | <p>Chavin Pliumchareorn Department of Agricultural Technology, Faculty of Science and Technology</p> |