

Dec. 13		Dec. 13-14		Dec. 14	Tue., Dec. 13		
US West Coast (PDT)	US East Coast (EDT)	EU	U.K.	Japan	Hawaii	Program	
10:00-20:00	13:00-23:00	19:00-5:00	18:00-4:00	3:00-13:00	8:00-18:00	Arrive in Hawaii	
20:00-21:00	23:00-0:00	5:00-6:00	4:00-5:00	13:00-14:00	18:00-19:00	Briefing(For Professors only) / CARNATION	
21:00-23:00	0:00-2:00	6:00-8:00	5:00-7:00	14:00-16:00	19:00-21:00	Welcome Reception/ HIBISCUCAS	

Dec. 14		Dec. 14-15		Dec. 15	Wed., Dec. 14			
US West Coast (PDT)	US East Coast (EDT)	EU	U.K.	Japan	Hawaii	Program		
11:15-11:30	14:15-14:30	20:15-20:30	19:15-19:30	4:15-4:30	9:15-9:30	Opening/ GARDENLANAI		
11:30-13:00	14:30-16:00	20:30-22:00	19:30-21:00	4:30-6:00	9:30-11:00	Student Workshop/ ILIMA • PLIMERIA		
13:00-14:15	16:00-17:15	22:00-23:15	21:00-22:15	6:00-7:15	11:00-12:15	Lunch/ GARDENLANAI		
14:30-15:15	17:30-18:15	23:30-0:15	22:30-23:15	7:30-8:15	12:30-13:15	Invited Lecture : University of Hawaii at Manoa Prof. Anthony Kuh/ GARDENLANAI		
15:15-16:00	18:15-19:00	0:15-1:00	23:15-0:00	8:15-9:00	13:15-14:00	Keynote Lecture : Princeton University Prof.Yiguang Ju/ GARDENLANAI		
16:00-16:30	19:00-19:30	1:00-1:30	0:00-0:30	9:00-9:30	14:00-14:30	Break		
						Student Presentation		
						Room A/ ILIMA	Room B/ PLIMERIA	Room C/ CARNATION
						① Materials and Devices for energy	② Reactions for energy	③ Systems and Data Science for energy
						Chair: Yoshisato Kimura	Chair: Tomohiro Nozaki	Chair: Koichi Shinoda
						Co-chair: Ayumu Okano	Co-chair: Taichi Watanabe	Co-chair: Lee Hyojae
						Co-chair: Li Ruicheng	Co-chair: KataokaTaishi	Co-chair: Castro Garcia Abraham
16:30-16:45	19:30-19:45	1:30-1:45	0:30-0:45	09:30-09:45	14:30-14:45	A001 Ammonia Electrosynthesis at Intermediate Temperatures using Proton-Conducting Ceramic Electrolysis Cells <i>Moe Okazaki* and Junichiro Otomo</i> *The University of Tokyo	B001 Plasma-Based Conversion of Methane at High Pressure <i>Norleakvisoth Lim*, and Michael J. Gordon</i> *University of California, Santa Barbara	C001 Modeling and simulation of a façade-integrated adsorption system for solar cooling of lightweight buildings <i>Olaf Böckmann* and Micha Schäfer</i> *University of Stuttgart
16:45-17:00	19:45-20:00	1:45-2:00	0:45-01:00	09:45-10:00	14:45-15:00	A002 Investigating the Structural Change of Pbl ₂ -rich Perovskite Solar Cells After Storage <i>Ruicheng Li*, Sergei Manzhos and Manabu Ihara</i> *Tokyo Institute of Technology	B002 Plasma-Assisted Chemical-Looping Combustion: Low-Temperature Methane and Ethylene Oxidation with CuO and NiO for Carbon Capture and Sequestration <i>Christopher M. Burger*, Nils Hansen, Angie J. Zhang and Yiguang Ju</i> *Princeton University	C002 Construction of Prediction Model for Shadowed Photovoltaics Power Generation by Multiple Regression and IQE-Based Model <i>Natsuki Otoshi*, Sergei Manzhos, and Manabu Ihara</i> *Tokyo Institute of Technology

17:00-17:15	20:00-20:15	2:00-2:15	01:00-01:15	10:00-10:15	15:00-15:15	A003	Solid Polymer Electrolyte (SPE) Electrolysis of Urea Aqueous Solution for Hydrogen Production <i>Ayumu Okano*, Shoji Iguchi, Takano Kaji, and Ichiro Yamanaka</i> <i>*Tokyo Institute of Technology</i>	B003	Plasma Parameters and Determinants of Hydrogen Peroxide Generation Characteristic of Diaphragm Discharge <i>Taichi Watanabe*, Shungo Zen, and Nozomi Takeuchi</i> <i>*Tokyo Institute of Technology</i>	C003	Electric Motor Thermal Management for Sustainable Green Transportation <i>Amitav Tikadar* and Satish Kumar</i> <i>*Georgia Institute of Technology</i>
17:15-17:30	20:15-20:30	2:15-2:30	01:15-01:30	10:15-10:30	15:15-15:30	A004	Micro-Concentrator Photovoltaics: a Promising Energy Generation Technology to Power Space Missions <i>Victor Vareilles*, Philippe Voarino, Yannick Veschetti, Mohamed Amara</i> <i>*Université Claude Bernard Lyon 1</i>	B004	Nonthermal Plasma Assisted CO ₂ Hydrogenation Over Bimetallic Pd ₂ Ga/SiO ₂ Catalysts <i>Dae-Young Kim*, Xiaozhong Chen, Shinya Furukawa, Tomohiro Nozaki</i> <i>*Tokyo Institute of Technology</i>	C004	Short Term Electricity Demand Forecasting Model for Distributed Energy System with High Dimensional Data including Categorical Variables <i>Hyojae Lee*, Shunsaku Tsuda, Sergei Manzhos and Manabu Ihara</i> <i>*Tokyo Institute of Technology</i>
17:30-17:45	20:30-20:45	2:30-2:45	01:30-01:45	10:30-10:45	15:30-15:45	A005	Electrochemical Analysis of Lithium-Ion Transfer at Solid-Solid Interface <i>Kotaro Yoshida*, Atsunori Ikezawa, Goro Fukunishi, and Hajime Arai</i> <i>*Tokyo Institute of Technology</i>	B005	Photo-thermal Release of CO ₂ by Carbon-Silica Aerogel for Direct Air Capture <i>Taishi Kataoka*, Yasuhiko Orita, Yusuke Shimoyama</i> <i>*Tokyo Institute of Technology</i>	C005	Assessment of Rooftop Solar Photovoltaic Potential based on Machine Learning and GIS Spatial Analysis in Bangkok, Thailand <i>Linux Farungsang*, Alvin Christopher G. Varquez, and Tokimatsu Koji</i> <i>*Tokyo Institute of Technology</i>
17:45-18:00	20:45-21:00	2:45-3:00	01:45-02:00	10:45-11:00	15:45-16:00	A006		B006		C006	Machine Learning Insights of Bio-oil Upgrading from an Energy Perspective <i>Abraham Castro Garcia* and Jeffrey S. Cross</i> <i>*Tokyo Institute of Technology</i>
18:00-18:30	21:00-21:30	3:00-3:30	2:00-2:30	11:00-11:30	16:00-16:30	Break					

Dec. 14	Dec. 14-15	Dec. 15	Wed., Dec. 14								
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US West Coast (PDT)	US East Coast (EDT)	EU	U.K.	Japan	Hawaii	Student Presentation					
						Room A/ ILIMA	Room B/ PLIMERIA		Room C/ CARNATION		
						④ Materials and Devices for energy		⑤ Reactions for energy		⑥ Systems and Data Science for energy	
		Chair: Takashi Sasabe		Chair: Masayasu Shimura		Chair: Hideaki Ishii					
		Co-chair: Yuchun Wang		Co-chair: Jiang Shan		Co-chair: Ryotaro Fukuda					
		Co-chair: Akihiro Funaki		Co-chair: Zhao Xucheng		Co-chair: Hartanto Roland					
18:30-18:45	21:30-21:45	3:30-3:45	2:30-2:45	11:30-11:45	16:30-16:45	A007	Electrochemical Promotion of Catalysis in CO ₂ Reduction on Different Catalysts Using Proton-Conducting Ceramic Electrolysis Cells <i>Rui Huang*, Junichiro OTOMO</i> <i>*Tokyo Institute of Technology</i>	B007	Trial of CO ₂ Methanation with DBD Treatment at Room Temperature Environment <i>Chunyuan Zhan*, Shuya Xu, Hyun-Ha Kim, Tomohiro Nozaki</i> <i>*Tokyo Institute of Technology</i>	C007	Robust State Estimation and Power Systems Decomposition under Coordinated Targeted Attacks <i>Naime Ahmadi*, Yacine Chakhchoukh, and Hideaki Ishii</i> <i>*Tokyo Institute of Technology</i>

18:45-19:00	21:45-22:00	3:45-4:00	2:45-3:00	11:45-12:00	16:45-17:00	A008	Study of (Fe, N)-doped Carbon Black Catalysts Formed by Rapid Thermal Annealing for Oxygen Reduction Reaction <i>Guanyu Wang*, Keiko Waki, Hajime Arai</i> <i>*Tokyo Institute of Technology</i>	B008	Reactions for energy Numerical Simulation Catalytic Decomposition of Methane (CDM) in Fixed Bed Reactor <i>Sirui Tong*, Bin Miao, Siew Hwa Chan</i> <i>*Nanyang Technological University</i>	C008	Efficient Training of Photonic Neural Networks for Power Consumption Reduction <i>Maurício Gomes de Queiroz*, Raphael Cardoso, Mohab Abdalla, Paul Jimenez, Ian O'Connor, Alberto Bosio and Fabio Pavanello</i> <i>*Univ. Lyon - CNRS</i>
19:00-19:15	22:00-22:15	4:00-4:15	3:00-3:15	12:00-12:15	17:00-17:15	A009	Experimental Study of the Carbon Sulfonation with Dilute Sulfuric Acid via Plasma Technique <i>Siqi Deng*, Nozomi Takeuchi, Junko Hieda, Katsuyuki Takahashi, Kosuke Tachibana, Oi Lun Li</i> <i>*Tokyo Institute of Technology</i>	B009	Burnup Analysis Of Rotational Fuel-Shuffling Breed-And-Burn Fast Reactor With Lead-Bismuth Coolant <i>Xucheng Zhao*, Jun Nishiyama, Toru Obara</i> <i>*Tokyo Institute of Technology</i>	C009	Driver's Fatigue Level, Negative Emotion Identification and Wearable Driving Assistant System Development Using EEG signals <i>Zixin Li* and Yasuharu Koike</i> <i>*Tokyo Institute of Technology</i>
19:15-19:30	22:15-22:30	4:15-4:30	3:15-3:30	12:15-12:30	17:15-17:30	A010	Potential of CsPbBr ₃ Solar Cell for Photovoltaic Power Converter of OWPT System and Top Cell of 4-Terminal Tandem Solar Cells <i>Yuejie Tan*, Shinsuke Miyajima</i> <i>*Tokyo Institute of Technology</i>	B010	Statistical Behaviors of Local Flame-wall Interaction in the Turbulent Premixed Combustion in a Constant Volume Vessel <i>Ye Wang*, Yuki Minamoto, Masayasu Shimura and Mamoru Tanahashi</i> <i>*Tokyo Institute of Technology</i>	C010	Sound-based Monitoring of Appliance-level Energy Consumption <i>Roland Hartanto*, Koichi Shinoda</i> <i>*Tokyo Institute of Technology</i>
19:30-19:45	22:30-22:45	4:30-4:45	3:30-3:45	12:30-12:45	17:30-17:45	A011	Preparation of phthalocyanine nanoparticles by laser ablation in liquid and application to contrast agents for photoacoustic imaging <i>Wang Yuchun*, Hiroyuki Wada</i> <i>*Tokyo Institute of Technology</i>	B011	Kinetic Studies of Excited Singlet Oxygen Atom O(¹ D) Reactions with Ethanol <i>Hongtao Zhong*, Chao Yan, Chu C. Teng, Timothy Y. Chen, Gerard Wysocki, and Yiguang Ju</i> <i>*Princeton University</i>	C011	Computation-assisted Design of Degradation-resistant Electrode for Carbon/air Secondary Battery <i>Kexin Chen*, Keisuke Kameda, Sergei Manzhos, and Manabu Ihara</i> <i>*Tokyo Institute of Technology</i>
19:45-20:00	22:45-23:00	4:45-5:00	3:45-4:00	12:45-13:00	17:45-18:00	A012	Development of n-type ZnS Buffer Layer Deposited by Atmospheric Pressure MOCVD for Cu(In,Ga)Se ₂ Solar Cells <i>Akihiro Funaki*, Fumiya Furumaki, Takahito Nishimura, Akira Yamada</i> <i>*Tokyo Institute of Technology</i>	B012	Study on Combustion Characteristics in Steam Diluted Hydrogen-Oxygen Gas Turbine using Perfectly Stirred Reactor Model <i>Shan Jiang*, Yuki Minamoto, Masayasu Shimura and Mamoru Tanahashi</i> <i>*Tokyo Institute of Technology</i>	C012	Analysis of EBIC Time-variation Using 2D Simulation Including Charge States in V _{Se} -V _{Cu} Divacancy Complex <i>Ryotaro Fukuda*, Shinkai Shimizu, Takahito Nishimura, Akira Yamada</i> <i>*Tokyo Institute of Technology</i>

Dec. 15		Dec. 15-16		Dec. 16	Thu., Dec. 15						
US West Coast (PDT)	US East Coast (EDT)	EU	U.K.	Japan	Hawaii	Program					
11:00-12:00	14:00-15:00	20:00-21:00	19:00-20:00	4:00-5:00	9:00-10:00	Interview Time by Mentors					
						Student Presentation					
						Room A/ ILIMA	Room B/ PLIMERIA	Room C/ CARNATION			
						Ⓣ Materials and Devices for energy	Ⓣ Reactions for energy	Ⓣ Systems and Data Science for energy			
						Chair: Masaaki Hirayama	Chair: Yusuke Shimoyama	Chair: Yukihiro Kato			
						Co-chair: Yuri Tei	Co-chair: Takuto Ishiyama	Co-chair: Hiroshi Noma			
						Co-chair: Toshiya Nakayama	Co-chair: Yuna Tatsumi	Co-chair: Takashi Hirose			
12:30-12:45	15:30-15:45	21:30-21:45	20:30-20:45	5:30-5:45	10:30-10:45	A013	Thermophysical Characterization of Salt Hydrates for Thermochemical Energy Storage <i>Yiling Li*, Marc Linder, Micha Schäfer, André Thess, and Benwen Li</i> <i>*University of Stuttgart</i>	B013	In-situ Spectroscopy Investigations of Methane Pyrolysis in Molten Media <i>Oleksandr Polonskyi*, Phineas Lehan, Eric McFarland, and Michael J. Gordon</i> <i>*University of California –Santa Barbara</i>	C013	Application of Machine Learning to Predict the Friction Coefficient <i>Hiroshi Noma*</i> <i>*Tokyo Institute of Technology</i>
12:45-13:00	15:45-16:00	21:45-22:00	20:45-21:00	5:45-6:00	10:45-11:00	A014	A Mixed-Conductive Li ₂ S-Based Cathode Composite by a Liquid-Phase Process for All-Solid-State Lithium-Sulfur Battery <i>Peilu Jiang*, Jinan Cui, Subin Song, Huangkai Zhou, Yumi Yamaguchi, Kota Suzuki, Ryoji Kanno, and Masaaki Hirayama</i> <i>*Tokyo Institute of Technology</i>	B014	Characterization of products formed by laser irradiation to wood components <i>Leo Adachi*, Shuhei Yamada, Shun-ichi Ishiuchi, Hiroyuki Wada</i> <i>*Tokyo Institute of Technology</i>	C014	Physics-Based Dimensionality Reduction and Deep Learning Modeling for Multi-Physics Simulations <i>Cristian E. Lacey*, Giuseppe D'Alessio, Sankaran Sundaresan, Michael E. Mueller</i> <i>*Princeton University</i>
13:00-13:15	16:00-16:15	22:00-22:15	21:00-21:15	6:00-6:15	11:00-11:15	A015	Preparation of CeO ₂ /GO Composite and the Application in Sensing Electrode <i>Mengqi Shi*, Yoshitaka Kitamoto, Masahiko Hara, Hiroyuki Wada</i> <i>*Tokyo Institute of Technology</i>	B015	Hydrogen Jet Local Equivalence Ratio Measurement by Laser-Induced Breakdown Spectrometry <i>Jungho Justin Kim*, Sanguk Lee, Choongsik Bae</i> <i>*Korea Advanced Institute of Science and Technology (KAIST)</i>	C015	Data Augmentation for Turbulent Combustion Modelling by using PCA-GAN <i>Tota Kobayashi*, Yuki Minamoto and Mamoru Tanahashi</i> <i>*Tokyo Institute of Technology</i>
13:15-13:30	16:15-16:30	22:15-22:30	21:15-21:30	6:15-6:30	11:15-11:30	A016	The Size Effect of Pulverized Crystalline Li _{10.35} Ge _{1.35} P _{1.65} S ₁₂ in All-Solid-State Battery <i>Han-Seul Kim*, Kota Suzuki, Ryoji Kanno, and Masaaki Hirayama</i> <i>*Tokyo Institute of Technology</i>	B016	Effect of gas generation by chemical reaction on viscous fingering in a Hele-Shaw Cell <i>Weicen Wang*</i> <i>*Tokyo Institute of Technology</i>	C016	Feature engineering of electron charge density fields for building AI/ML models to predict material properties <i>Pranoy Ray* and Surya Kalidindi</i> <i>*Georgia Institute of Technology</i>
13:30-13:45	16:30-16:45	22:30-22:45	21:30-21:45	6:30-6:45	11:30-11:45	A017	Growth Mechanism and Fabrication of Pure Sulfide CuInS ₂ Solar Cell by Sulfurization <i>Yota Suzuki*, Dwinanri Eglyna, Tomoki Shibata, Takahito Nishimura, Akira Yamada</i> <i>*Tokyo Institute of Tehnology</i>	B017	Cocrystal Formation with Liquefied Fatty Acids toward Energy-Saving Pharmaceutical Process <i>Yuna Tatsumi*, Yasuhiko Orita, and Yusuke Shimoyama</i> <i>*Tokyo Institute of Technology</i>	C017	Hydride-Ion Conduction in Perovskite Hydride SrLiH ₃ <i>Takashi Hirose*, Takuya Mishina, Naoki Matsui, Kota Suzuki, Takashi Saito, Takashi Kamiyama, Masaaki Hirayama and Ryoji Kanno</i> <i>*Tokyo Institute of Technology</i>

13:45-14:00	16:45-17:00	22:45-23:00	21:45-22:00	6:45-7:00	11:45-12:00	A018	Global Potential for the Transformation of Thermal Power Plants to Thermal Storage Power Plants <i>Pai Liu*, Franz Trieb</i> <i>*University of Stuttgart</i>	B018	Optical Measurement of Hydrogen Double Injection in a Constant Volume Chamber <i>Sanguk Lee*, Jungho Justin Kim, Choongsik Bae</i> <i>*Korea Advanced Institute of Science and Technology (KAIST)</i>	C018	Cell Performance Evolution during PEMFC Start-Up and Shut-Down with Mitigation Strategies <i>Timothee Drugeot*, Fabrice Micoud, Eric Pinton, Jean-Phillippe Poirot-Crouvezier, Sébastien Rosini, and Yann Bultel</i> <i>*Université de Grenoble</i>
14:00-14:15	17:00-17:15	23:00-23:15	22:00-22:15	7:00-7:15	12:00-12:15	A019	High-Pressure Synthesis of New Lithium-Containing Oxides Predicted by The Recommender System <i>Toshiya Nakayama*, Kota Suzuki, Naoki Matsui, Atsuto Seko, Isao Tanaka, Ryoji Kanno and Masaaki Hirayama</i> <i>*Tokyo Institute of Technology</i>	B019	Energy Efficient Polymer Synthesis under Molecular Flow Induced by Scanning Light Irradiation <i>Takuto Ishiyama*, Hirona Nakamura, Miho Aizawa, Kyohei Hisano, Shoichi Kubo, Atsushi Shishido</i> <i>*Tokyo Institute of Technology</i>	C019	Additional Effects of an Os(II)-Complex Photosensitizer on Photocatalysis of a Hybrid Consisting of a Ru(II)-Re(I) Complex and Anatase TiO ₂ /C ₆ N ₄ <i>Toshiya Tanaka*, Noritaka Sakakibara, Kazuhiko Maeda, Yusuke Tamaki, Osamu Ishitani</i> <i>*Tokyo Institute of Technology</i>
14:15-14:30	17:15-17:30	23:15-23:30	22:15-22:30	7:15-7:30	12:15-12:30	A020	Preparation of Gd ₂ O ₃ :Er,Yb Upconversion Nanoparticles and Characterization <i>Yuri Tei*, Yoshitaka Kitamoto, Masahiko Hara, and Hiroyuki Wada</i> <i>*Tokyo Institute of Technology</i>	B020	Determination of Interaction Parameter Between Calcium and Oxygen in Liquid Iron at 1873 K <i>Zhi Li*, Yoshinao Kobayashi</i> <i>*Tokyo Institute of Technology</i>	C020	Mechanical Properties of SiG/SiC Composites Fabricated by Melt Infiltration Method with BN Interphase Formed by Electrophoretic Deposition Method <i>Daichi Sakakibara*, Anna Gubarevich, Masaki Kotani and Katsumi Yoshida</i> <i>*Tokyo Institute of Technology</i>
14:30-16:15	17:30-19:15	23:30-1:15	22:30-0:15	7:30-9:15	12:30-14:15	Group Photo & Lunch/ GARDENLANAI					
16:30-17:15	19:30-20:15	1:30-2:15	0:30-1:15	9:30-10:15	14:30-15:15	Keynote Lecture : Tokyo Institute of Technology Prof.Defago Xavier/ GARDENLANAI					
17:15-18:00	20:15-21:00	2:15-3:00	1:15-2:00	10:15-11:00	15:15-16:00	Invited Lecture : Nanyang Technological University Prof.Xu Rong/ GARDENLANAI					
18:00-18:30	21:00-21:30	3:00-3:30	2:00-2:30	11:00-11:30	16:00-16:30	Break					
Dec. 15		Dec. 15-16		Dec. 16	Wed., Dec. 15						
US West Coast (PDT)	US East Coast (EDT)	EU	U.K.	Japan	Hawaii	Student Presentation					
						Room A/ ILIMA	Room B/ PLIMERIA	Room C/ CARNATION			
						Ⓜ Materials and Devices for energy	Ⓜ Materials and Devices for energy	Ⓜ Systems and Data Science for energy			
						Chair: Teruoki Tago	Chair: Tetsuya Suekane	Chair: Xavier Defago			
						Co-chair: Ying Chung	Co-chair: Zijing Li	Co-chair: Lian Tongda			
						Co-chair: Yumin Huang	Co-chair: Zhang Yiwei	Co-chair: Shen Dawei			
18:30-18:45	21:30-21:45	3:30-3:45	2:30-2:45	11:30-11:45	16:30-16:45	A021	Development of a Prototype High-Speed Magnetically Geared Motor with a Magnetically Levitated High-Speed Rotor <i>Akira Kumashiro*, Akira Chiba</i> <i>*Tokyo Institute of Technology</i>	B021	Development of Facile Catch and Release Technique of Lanthanides Using Functional PDMS Sponge <i>Yiwei Zhang*, Ki Chul Park, Naokazu Idota, and Takehiko Tsukahara</i> <i>*Tokyo Institute of Technology</i>	C021	Prediction of Protein Adsorption onto Polymer Brush Films by Machine Learning <i>Shunta Chikami*, Debabrata Palai, Hiroyuki Tahara, Shoichi Maeda and Tomohiro Hayashi</i> <i>*Tokyo Institute of Technology</i>

18:45-19:00	21:45-22:00	3:45-4:00	2:45-3:00	11:45-12:00	16:45-17:00	A022	Radial Electromagnetic Force Estimation Using Strain Gauges in Switched Reluctance Motors <i>Yifei Cai*, Akira Chiba</i> <i>*Tokyo Institute of Technology</i>	B022	Experimental Study on the Mixing Behaviors of Shear-Enhanced Tracer Transport in Porous Media <i>Zijing LI*, Tetsuya Suekane</i> <i>*Tokyo Institute of Technology</i>	C022	polyG2G: A Novel Machine Learning Algorithm Applied to the Generative Design of Polymer Dielectrics <i>Rishi Gurnani*, Deepak Kamal, Huan Tran, Harikrishna Sahu, Kenny Scharm, Usman Ashraf, and Rampi Ramprasad</i> <i>*Georgia Institute of Technology</i>
19:00-19:15	22:00-22:15	4:00-4:15	3:00-3:15	12:00-12:15	17:00-17:15	A023	Examination of Unit Series Using a Bidirectional Isolated DC-DC Converter <i>Zhang Zheng*, Hideaki Fujita</i> <i>*Tokyo Institute of Technology</i>	B023	Synthesis of Triarylsulfonium Salts-containing Polymers and Their Application Toward Anion-Exchange Membrane <i>Tomohiro Imai*, Ryoyu Hifumi, Shinsuke Inagi, Ikuyoshi Tomita</i> <i>*Tokyo Institute of Technology</i>	C023	A Study on Liquid Film Dynamics using Two-phase Flow Simulation with AMR method <i>Tongda Lian*, Shintaro Matsushita, Takayuki Aoki</i> <i>*Tokyo Institute of Technology</i>
19:15-19:30	22:15-22:30	4:15-4:30	3:15-3:30	12:15-12:30	17:15-17:30	A024	Study of Bidirectional Chopper with A Single Auxiliary Full-Bridge Converter for On-Board Energy Storage System <i>Ghiffari Nasution*, Makoto Hagiwara</i> <i>*Tokyo Institute of Technology</i>	B024	Synthesis of Polymers with PEG Spacer by Click Living Polymerization <i>Satoshi Sakai*, Tomohiro Kubo, and Kotaro Satoh</i> <i>*Tokyo Institute of Technology</i>	C024	A 3D Wide-area Simulation for Real Driftwood Disaster with High Resolution Mesh <i>Dawei Shen*, Takayuki Aoki, Seiya Watanabe, Shuji Moriguchi, Shinsuke Takase and Masaaki Sakuraba</i> <i>*Tokyo Institute of Technology</i>
19:30-19:45	22:30-22:45	4:30-4:45	3:30-3:45	12:30-12:45	17:30-17:45	A025	Development of Cell Line with Norepinephrine Transporter Expression for the Testing of Alpha-emitting Meta- ²¹¹ At-astato-benzylguanidine Therapy <i>Yumin HUANG*</i> <i>*Tokyo Institute of Technology</i>	B025	Synthesis of Degradable Vinyl Polymers by Using Cyclic Thiocarbonyl Comonomers Derived from Lactides <i>Ryoya Kamiki*, Tomohiro Kubo and Kotaro Satoh</i> <i>*Tokyo Institute of Technology</i>	C025	
19:45-20:00	22:45-23:00	4:45-5:00	3:45-4:00	12:45-13:00	17:45-18:00	A026	Developing Desire Thermal and Electrical Properties of Silicon Carbide Ceramics with Aluminum, Boron Addition and Nitrogen Doping for High Temperature Thermoelectric Application <i>Ying Chung*, AnnaGubarevich, Katsumi Yoshida</i> <i>*Tokyo Institute of Technology</i>	B026	Fluorescence and Phosphorescence Properties of Copolyimides Containing Naphthalene Core in the Main Chain <i>Marina Doi*, Ryohei Ishige, Shinji Ando</i> <i>*Tokyo Institute of Technology</i>	C026	
21:00-23:30	0:00-2:00	6:00-8:00	5:00-7:00	14:00-16:00	19:00-21:00	Banquet/ HIBISCUCAS1					

Dec. 16		Dec. 16-17		Dec. 17	Fri., Dec. 16						
US West Coast (PDT)	US East Coast (EDT)	EU	U.K.	Japan	Hawaii	Program					
10:00-17:00	13:00-20:00	19:00-2:00	18:00-1:00	3:00-10:00	8:00-15:00	Technical Tour					
17:00-21:15	20:00-22:15	2:00-4:15	1:00-3:15	10:00-12:15	15:00-17:15						
21:15-22:30	22:15-23:30	4:15-5:30	3:15-4:30	12:15-13:30	17:15-18:30	Student Workshop					

Dec. 17		Dec. 17-18		Dec. 18	Sat., Dec. 17					
US West Coast (PDT)	US East Coast (EDT)	EU	U.K.	Japan	Hawaii	Program				
10:00-11:30	13:00-14:30	19:00-20:30	18:00-19:30	3:00-4:30	8:00-9:30	Interview Time by Mentors				
11:30-13:00	14:30-16:00	20:30-22:00	19:30-21:00	4:30-6:00	9:30-11:00	Student Workshop/ ILIMA • PLIMERIA • CARNATION				
13:00-14:30	16:00-17:30	22:00-23:30	21:00-22:30	6:00-7:30	11:00-12:30	Lunch/ GARDENLANAI				
						Student Workshop Presentation				
						Room A/ ILIMA	Room B/ PLIMERIA	Room C/ CARNATION		
						Chair: Mika Goto	Chair: Kazuyoshi Hidaka	Chair: Isao Ono		
						Co-chair: Weicen Wang	Co-chair: Dae-Yeong Kim	Co-chair: Zhi Li		
						Co-chair: Wang Ye	Co-chair: Kim Hanseul	Co-chair: Mengqi Shi		
14:30-14:45	17:30-17:45	23:30-23:45	22:30-22:45	7:30-7:45	12:30-12:45	Group 01 <i>Ayumu Okano Sanguk Lee Hartanto Roland</i>	Group 02 <i>Kim Hanseul Oleksandr Polonskyi Daichi Sakakibara</i>	Group 03 <i>Toshiya Nakayama Hongtao Zhong Castro Garcia Abraham</i>		
14:45-15:00	17:45-18:00	23:45-00:00	22:45-23:00	7:45-8:00	12:45-13:00	Group 04 <i>Nasution Aby Malik Ghiffari Christopher M. Burger Hiroshi Noma</i>	Group 05 <i>JIANG Peilu Taichi Watanabe Amitav Tikadar</i>	Group 06 <i>Jiang Shan Satoshi Sakai Timothee Drugeot</i>		
15:00-15:15	18:00-18:15	00:00-00:15	23:00-23:15	8:00-8:15	13:00-13:15	Group 07 <i>Norleakvisoth Lim Tomohiro Imai Shen Dawei</i>	Group 08 <i>Li Ruicheng Cristian E. Lacey Reo Adachi</i>	Group 09 <i>Yumin Huang Takuto Ishiyama Pranoy Ray</i>		
15:15-15:30	18:15-18:30	00:15-00:30	23:15-23:30	8:15-8:30	13:15-13:30	Group 10 <i>Kataoka Taishi Rishi Gurnani Lian Tongda</i>	Group 11 <i>Zhao Xucheng Akihiro Funaki Linux Farungsang</i>	Group 12 <i>Zixin Li Victor Vareilles Takashi Hirose</i>		
15:30-15:45	18:30-18:45	00:30-00:45	23:30-23:45	8:30-8:45	13:30-13:45	Group 13 <i>Wang Ye Olaf Böckmann Natsuki Otoshi</i>	Group 14 <i>Dae-Yeong Kim Mauricio Gomes de Queiroz Ryoya Kamiki</i>	Group 15 <i>Zhi Li Lee Hyojae Yota Suzuki</i>		
15:45-16:00	18:45-19:00	00:45-1:00	23:45-00:00	8:45-9:00	13:45-14:00	Group 16 <i>Kotaro Yoshida Ryotaro Fukuda Weicen Wang</i>	Group 17 <i>Shunta Chikami Zhang Yiwei Jungho Justin Kim</i>	Group 18 <i>Pai Liu Zhang ZHENG Toshiya Tanaka Tota Kobayashi</i>		
16:00-16:15	19:00-19:15	1:00-1:15	00:00-00:15	9:00-9:15	14:00-14:15	Group 19 <i>Moe Okazaki Yuna Tatsumi Kexin Chen</i>	Group 20 <i>Yiling Li Yuri Tei Zijing Li</i>	Group 21 <i>Yuchun Wang Mengqi Shi Ying Chung Marina Doi</i>		
16:15-16:30	19:15-19:30	1:15-1:30	00:15-00:30	9:15-9:30	14:15-14:30	Group 22 <i>Deng SiQi Yifei Cai Chunyuan Zhan Wang Shuai</i>	Group 23 <i>Guanyu Wang Akira Kumashiro Sirui Tong Rui Huang</i>			
16:45-17:15	19:45-20:15	1:45-2:15	00:45-1:15	9:45-10:15	14:45-15:15	Break				
17:15-18:00	20:15-21:00	2:15-3:00	1:15-2:00	10:15-11:00	15:15-16:00	Keynote Lecture : Tokyo Institute of Technology Prof.Shinsuke Inagi/ GARDENLANAI				
18:00-18:45	21:00-21:45	3:00-3:45	2:00-2:45	11:00-11:45	16:00-16:45	Keynote Lecture : Nanyang Technological University Prof.Chan Siew Hwa/ GARDENLANAI				

19:30-20:30	22:30-23:30	4:30-5:30	3:30-4:30	12:30-13:30	17:30-18:30	
						Evaluation Meeting Award Screening(For Professors only)/ CARNATION
21:00-23:00	0:00-2:00	6:00-8:00	5:00-7:00	14:00-16:00	19:00-21:00	Farewell Party Award Ceremony/ GARDENLANAI

Dec. 18		Dec. 18-19		Dec. 19	Sun., Dec. 18	
US West Coast (PDT)	US East Coast (EDT)	EU	U.K.	Japan	Hawaii	Program
10:00-23:00	13:00-2:00	19:00-8:00	18:00-7:00	3:00-16:00	8:00-21:00	Depart from Hawaii