



Student Presentation Award

2nd Energy & Informatics International Forum

17 Dec 2022

• Silver Medal

- Topics
- ① Materials and Devices for energy
 - ② Reactions for energy
 - ③ Systems and Data Science for energy

Name	Univ.	Title
DaeYeong Kim	Tokyo Tech	Nonthermal Plasma Assisted CO ₂ Hydrogenation Over Bimetallic Pd ₂ Ga/SiO ₂ Catalysts.
Yuna Tatsumi	Tokyo Tech	Cocrystal Formation with Liquefied Fatty Acids toward Energy-Saving Pharmaceutical Process
Tota Kobayashi	Tokyo Tech	Data Augmentation for Turbulent Combustion Modelling by using PCA-GAN

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Name	Univ.	Title
DAWEI SHEN	Tokyo Tech	A 3D Wide-area Simulation for Real Driftwood Disaster with High Resolution Mesh
Toshiya Nakayama	Tokyo Tech	High-Pressure Synthesis of New Lithium-Containing Oxides Predicted by The Recommender System
Takuto Ishiyama	Tokyo Tech	Energy Efficient Polymer Synthesis under Molecular Flow Induced by Scanning Light Irradiation
Hongtao Zhong	Princeton University	Kinetic Studies of Excited Singlet Oxygen Atom O(¹ D) Reactions with Ethanol



<Student Presentation Award>

• Gold Medal

Name	Univ.	Title
Rishi Gurnani	Georgia Institute of Technology	polyG2G: A Novel Machine Learning Algorithm Applied to the Generative Design of Polymer Dielectrics

Topics : ③ Systems and Data Science for energy





Best Collaboration Award

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Group No.	Name	Univ.
Group_04	Nasution Aby Malik Ghiffari Christopher M. Burger Hiroshi Noma	Tokyo Tech Princeton University Tokyo Tech
Group_14	Dae-Yeong Kim Mauricio Gomes de Queiroz Ryoya Kamiki	Tokyo Tech Univ. Lyon – CNRS Tokyo Tech
Group_21	Yuchun Wang Mengqi Shi Ying Chung Marina Doi	Tokyo Tech Tokyo Tech Tokyo Tech Tokyo Tech