

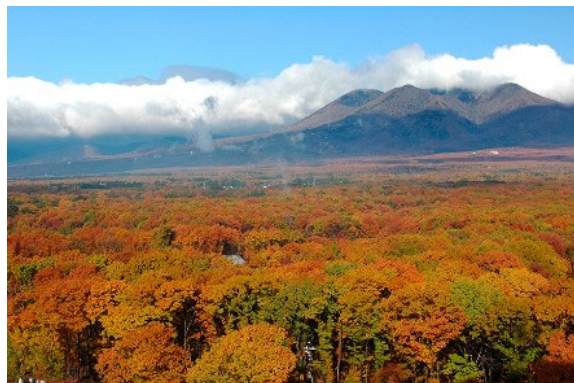


ICYS Workshop 2023

The 15th ICYS Workshop was held on October 17 and 18 in Nasu Kogen, Tochigi, Japan. The workshop was attended by a total of 33 participants, including ICYS research fellows, Directors, Mentors, and ICYS alumni.

This year we invited Dr. Othmane Benafan of NASA and Prof. Osamu Seki of Kyoto University as keynote speakers.

The ICYS Workshop is an opportunity for ICYS Research Fellows to present the results of their ongoing research. It is a good opportunity to receive advice and concrete images from guest researchers through active exchange of opinions.



Following opening remarks by ICYS Director Tsuchiya, Dr. Othmane Benafan of NASA gave the keynote speech "Functional and Structural Materials for Extreme Environments: Addressing Key Aerospace Challenges".

Between presentations by ICYS Research Fellows, there were many occasions of active contact between presenters and participants, who listened to each other's opinions and exchanged discussions.



On the first day of the workshop, participants were able to deepen their understanding of their own research and experience a sense of accomplishment through their presentations.

After dinner, a fireside session was held on "Black-Box Optimization Methods for Automated Materials Exploration" by Team Leader Ryo Tamura, a former ICYS graduate who is now working at NIMS (Data-driven Algorithm Team, Data-driven Materials Research Field, Center for Basic Research on Materials).

Next, Dr. Ayako Nakata, Principal Researcher, Quantum Materials Simulation Group, Quantum Materials Field, Research Center for Materials Nanoarchitectonics (MANA), gave a lecture titled "Large-Scale DFT Calculations on Supported Metallic Nanoparticle Catalysts".



The exchange of opinions in a friendly atmosphere after the dinner was a good opportunity that will remain in the hearts of the participants.



The second day started with a keynote speech by Prof. Osamu Seki of Kyoto University on "Electron/Spin Transport in Symmetry Breaking Conjugated Molecular Materials".



The presentation was followed by the new ICYS Research Fellows and the new ICYS Alumni.

In closing remarks, ICYS Managing Director Tsuchiya and NIMS Executive Vice President Taniguchi expressed their special thanks to Dr. Othmane Benafan of NASA and Prof. Osamu

Seki of Kyoto University, who gave keynote speeches, as well as ICYS alumni, mentors, and ICYS staff.

The workshop provided an opportunity for ICYS Research Fellows to enjoy fellowship and conversation with colleagues, guest speakers, and ICYS alumni, and to gain insight into their prospects.

The 2023 ICYS Workshop ended with good memories for the participants.

