

Laboratory for Zero-Carbon Energy and GX Frontier VI Co-hosted

Workshop of faculties of MIT and Laboratory for Zero-Carbon Energy

Date Monday, March 23, 2026

Location Conference room, 1st fl. N-1 bldg., Laboratory for Zero-Carbon Energy, Institute of Science Tokyo

Program

12:50-12:55	Opening remarks
12:55-14:35	MIT Presentations
12:55-13:15	Prof. Benoit Forget "Introduction to Nuclear Engineering at MIT "
13:15-13:35	Prof. Emilio Baglietto "Enabling the Deployment of Next Generation Fission Reactors"
13:35-14:55	Assoc.Prof. Zachary Hartwig "An Overview of Fusion Science and Technology Research at MIT"
13:55-14:15	Prof. Michael Short
14:15-14:35	Asst. Prof. Ericmoore Jossou "Nuclear Fuels for Current and Next Generation of Reactors"
14:35-14:45	Break
14:45-16:00	ZC Lab Presentations
14:45-15:00	Assoc.Prof. Masashiko Nakase "AI-Enabled Digital Twins for Nuclear Science and Engineering Studies"
15:00-15:15	Assoc.Prof.Jun Hasegawa

“Ion Cyclotron Auto-Resonance Accelerator and Its Application to Nuclear Fusion Engineering”

- 15:15-15:30 Assoc.Prof. Tatsuya Katabuchi
“Research activities using the Pelletron accelerator of Science Tokyo”
- 15:30-15:45 Prof. Katsumi Yoshida
“Development of SiC-based composites for nuclear and fusion applications (tentative)”
- 15:45-16:00 Prof. Hiroshi Sagara
“Safe, Secure and Resilient Advanced Reactors”
- 16:00-16:05 Closing Remarks