

Radiation-Tolerant Semiconductors

Report of Contributions

Contribution ID: 1

Type: **not specified**

Malfunction of semiconductor devices by energetic particle incidence (Keynote Talk)

Thursday, 22 January 2026 10:10 (50 minutes)

Presenter: OHSHIMA, Takeshi (QST/Tohoku University)

Contribution ID: 2

Type: **not specified**

Development of in-situ instruments for lunar resource exploration and the lunar radiation environment

Thursday, 22 January 2026 11:00 (40 minutes)

Presenter: MOROTA, Tomoaki (The University of Tokyo)

Contribution ID: 3

Type: **not specified**

Radiation-Tolerant Semiconductor Detectors for the High-Luminosity Large Hadron Collider (HL-LHC) ATLAS Experiment and Their Evaluation Methods

Thursday, 22 January 2026 13:00 (40 minutes)

Presenter: TOGAWA, Manabu (KEK)

Contribution ID: 4

Type: **not specified**

Radiation tolerance and mitigation strategies for the ATLAS muon trigger at the HL-LHC

Thursday, 22 January 2026 13:40 (40 minutes)

Presenter: HORII, Yasuyuki (Nagoya University)

Contribution ID: 5

Type: **not specified**

Experience of Considering Radiation Effects for Satellite Developments

Thursday, 22 January 2026 14:20 (20 minutes)

Presenter: MIYASHITA, Naoki (The University of Tokyo)

Contribution ID: 6

Type: **not specified**

Radiation tolerance assurance for the space system

Thursday, 22 January 2026 14:40 (40 minutes)

Presenter: SUZUKI, Kouichi (JAXA, Safety and Mission Assurance Department)

Contribution ID: 7

Type: **not specified**

Test beam line visit

Thursday, 22 January 2026 16:00 (1h 30m)

Contribution ID: 8

Type: **not specified**

Banquet (Engi, Near Tsukuba Station, <https://beercafe-engi.studio.site/>)

Thursday, 22 January 2026 18:00 (2 hours)

Contribution ID: 9

Type: **not specified**

Muon-induced Soft Errors in FinFET and Planar SRAMs

Friday, 23 January 2026 10:00 (40 minutes)

Presenter: HASHIMOTO, Masanori (Kyoto University)

Contribution ID: 10

Type: **not specified**

Custom integrated circuits for the CERN Large Hadron Collider radiation environment (Keynote Talk)

Friday, 23 January 2026 10:40 (50 minutes)

Presenter: GARCIA-SCIVERES, Maurice (LBNL/KEK-QUP)

Contribution ID: 11

Type: **not specified**

Analog ASIC Development at KEK and Its Applications to Measurements in High-Radiation Environments

Friday, 23 January 2026 12:50 (40 minutes)

Presenter: MIYAHARA, Masaya (KEK-QUP)

Contribution ID: 12

Type: **not specified**

Space-semiconductor research and development platform based on theoretical simulation technologies

Friday, 23 January 2026 13:30 (40 minutes)

Presenter: TANABE, Katsuaki (Kyoto University))

Contribution ID: 13

Type: **not specified**

Irradiation Effect on SiC and SiC composites

Friday, 23 January 2026 14:10 (40 minutes)

Presenter: HINOKI, Tatsuya (Kyoto University))

Contribution ID: 14

Type: **not specified**

Diamond MOSFETs: A Promising Platform for Electronics in Extreme Environments

Friday, 23 January 2026 15:10 (40 minutes)

Presenter: TOKUDA, Norio (Kanazawa University)

Contribution ID: 15

Type: **not specified**

Driving the Space Computing Power Innovation by DIOS (Dependability Improvement Technology on Orbit Server System)

Friday, 23 January 2026 15:50 (50 minutes)

Presenters: MURAKAMI, Kazuma (Mitsubishi Corporation); SAKAMOTO, Yoshifumi (SpaceBlast)

Contribution ID: **16**

Type: **not specified**

Closing

Friday, 23 January 2026 16:40 (10 minutes)

Presenter: TANABE, Katsuaki (Kyoto University)

Contribution ID: 17

Type: **not specified**

Opening

Thursday, 22 January 2026 10:00 (10 minutes)

Presenter: TAKAHASHI, Tadayuki (Kavli IPMU)

Contribution ID: **18**

Type: **not specified**

Banquet