

International Technical Safety Forum 2024 Tentative Program

| Monday, June 10 (RIKEN Wako Campus) | | | |
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| Opening, Welcome (Kanenobu Tanaka) | | | 13:00 |
| Lessons Learned from Incidents (Chair : Yves Loertscher) | | | |
| Atsushi Kitagawa | QST Chiba | Experience in the fire at the cyclotron facility and its living lesson in QST | 13:20 |
| Bill Rainey | TJNAF | ePAS - managing subjectivity in hazard assessment and control | 13:40 |
| Morteza Mansouri | ESS | Learning from incidents; formal and informal methods | 14:00 |
| Break (20 min) | | | 14:20 |
| Safety Management at User Facility and Joint Construction Project (Chair : Tetsuro Ishii) | | | |
| Guy Thomas | Diamond Light Source | Applying the principles of Safe Operating Envelopes to user experimental safety in synchrotron beamlines. | 14:40 |
| Marcin Bielawski | MAX IV | Implementing Experimental Safety at MAX IV | 15:00 |
| Keitaro Kondo | QST Rokkasho | Health and safety challenges in the joint implementation by Japan and EU for the validation of Linear IFMIF Prototype Accelerator (LIPAc) at Rokkasho | 15:20 |
| Bill Rainey | TJNAF | Electron Ion Collider - integrating ES&H requirements across multiple laboratories and partners | 15:40 |
| Break (10 min) | | | 16:00 |
| Invited Talk (1) (Chair : Kanenobu Tanaka) | | | |
| Nobuhisa Eguchi | JAMSTEC | Safety management of the Deep-sea Scientific Drilling Vessel "CHIKYU" and the Manned Research Submersible "SHINKAI 6500" | 16:10 |
| Group photo (20 min) | | | 17:10 |

| Tuesday, June 11 (RIKEN Wako Campus) | | | |
|--|-----------------------|---|-------|
| Hiroyoshi Sakurai | RIKEN | Introduction of RIKEN RIBF (20min) | 9:00 |
| Safety Culture (Chair : Helen Boyer) | | | |
| Tim West | Canadian Light Source | Leader Standard Work – Practical actions and behaviours to support a safety culture | 9:20 |
| Julie Biringer | CERN | Leveraging Safety Culture | 9:40 |
| Toshihiro Mimashi | KEK | Safety and Health Week Festival in KEK | 10:00 |
| Break (20 min) | | | 10:20 |
| Invited Talk (2) (Chair : Kotaro Bessho) | | | |
| Rieko Hojo | Nagaoka Univ. Tech. | Well-being assessment and Behavioral Analysis applied to risk reduction measure at work | 10:40 |
| Lunch Break (70 min) | | | 11:40 |
| Poster Session 1 (80 min) | | | 12:50 |
| Environmental Protection and Sustainability (Chair : Sonja Kleiner) | | | |
| Yoko Mori | RIKEN | Targets of the Japanese Government and the current status of RIKEN in Earth Warming Prevention Activities | 14:10 |
| Sabrina Schadeegg | CERN | Biodiversity at CERN - challenges for conservation and development | 14:30 |
| Radiation Safety and Laser Safety (Chair : Graeme Finlan) | | | |
| Yoann Trehudic | GANIL | Production of Astatine-211 in GANIL : risk assessment and feedback | 14:10 |
| Jordan Minier | CERN | Non-Ionising Radiation REGister (NIRREG): Backbone of laser safety at CERN | 14:30 |
| Break (10 min) | | | 14:50 |

| Invited Talk (3) (Chair : Kanenobu Tanaka) | | | |
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| Norito Kawakami | Univ. of Tokyo | Improving Mental health in the workplace: a global trend and the case of Japan | 15:00 |
| Break (20 min) | | | 16:00 |
| Facility Safety Management, Challenge for Future Project (Chair : Graeme Finlan) | | | |
| Chris Burnett | CERN | Incidents with lifting equipment and activities at CERN | 16:20 |
| Sabine Lessmann-Bassen | DESY | Rolling Access: Access on demand for DESY beamlines and its impact on safety procedures | 16:40 |
| Chihiro Furutani | RIKEN Harima | Safety Management on SPring-8/SACLA | 17:00 |
| Sven Mohr | DESY | Update on PETRA IV project | 17:20 |
| Marc Nas | CERN | Emergency response in 2048 | 17:40 |
| Safety Culture, Facility Management (Chair : Saverio La Mendola) | | | |
| Rema Malar Armugam | MAX-IV | The use of SHERPA Method in identifying human errors | 16:20 |
| Letizia Di Giulio | CERN | ISOLDE - From an incident analysis to an increase of safety culture (Remote) | 16:40 |
| Iga Maria Krautztrung | CERN | Safety aspects of the technical galleries consolidation program (Remote) | 17:00 |
| Donya Daryadel | ESS | ESS Gas Detection System | 17:20 |
| Kotaro Bessho | J-PARC | Lessons learned from two small fires and fire prevention measures at J-PARC | 17:40 |

18:00 End

| Wednesday, June 12 (J-PARC Center) | | | |
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| Transportation from RIKEN to J-PARC by Coaches | | | 8:30 |
| Session at J-PARC (Chair : Yoshihiro Nakane) | | | |
| Takashi Kobayashi | J-PARC | Introduction of J-PARC (20min) | 11:30 |
| Lunch Time with Japanese Lunch Box (Bentou) (50 min) | | | 11:50 |
| Hidetomo Oguri | J-PARC | Recovery of the J-PARC accelerator from the earthquake in 2011 (30min) | 12:40 |
| Brecht Debrouwere | CERN | Status of fire safety in the European Economic Area (40min) | 13:10 |
| Takashi Naoe | J-PARC | Safety management of remote handling and in-cell work for maintenance of spallation neutron production target components in J-PARC (20min) | 13:50 |
| Break (10 min) | | | 14:10 |
| J-PARC Facility Tour (120min) | | | 14:20 |
| Break (10 min) | | | 16:20 |
| Transportation from J-PARC to RIKEN / Wako-Shi Station by Coaches | | | 16:30 |
| Arriving at RIKEN / Wako-Shi Station | | | ~19:30 |

Thursday, June 13 (RIKEN Wako Campus)

Fire Safety (Chair : Fredrik Jörud)

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| Saverio La Mendola | CERN | 1D modelling approach for life safety assessments in long tunnels based on the 'endangered length' indicator | 9:00 |
| Brecht Debrouwere | CERN | Use of AI for FIRIA, Fire-Induced Radiological Integrated assessments | 9:20 |
| Fabian Saretzki | DESY | Evacuation drill as a stress test for an older building | 9:40 |

Chemical Safety (Chair : Sven Mohr)

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| Petra Dvořáková Ruskayová | ELI ERIC | Nanoparticles generated in experiments using high-power lasers | 9:00 |
| Anca-Simona Ciobanu | DESY | Handling Incidents in the Users' Chemistry Laboratory | 9:20 |
| Sara Álvarez Díaz | ESO | Management of Hazardous Substances at ESO Headquarters: an Implementation from Scratch | 9:40 |

Break (10 min)

10:00

RIKEN RIBF Tour (90min)

10:10

Lunch Break (60 min)

11:40

Poster Session 2 (60 min)

12:40

Facility Management (Chair : Rema Malar)

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| Morteza Mansouri | ESS | Access management and safety at ESS Bunker | 13:40 |
| Simon Marsh | CERN | An exceptional conformity assessment process for HL-LHC pressure equipment | 14:00 |

| Safety Training and Risk Assessment (Chair : Kotaro Bessho) | | | |
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| Yoshimi Kasugai | J-PARC | E-learning materials for safety in J-PARC | 13:40 |
| Michael Prollius, Prasad Thute | EuXFEL GmbH | Risk assessment process – From machine safety to occupational health and safety | 14:00 |
| Koedo Tour, Banquet | | | 14:20 |

~ 20:30 End

Friday, June 14 (RIKEN Wako Campus)

Fire Safety, Measures against Earthquakes (Chair : Rema Malar)

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| Anna Suwalska | CERN | Renovation of the North Area fire safety systems | 9:00 |
| Fredrik Jörud | ESS | Fire Suppression in Klystron Gallery | 9:20 |
| Saverio La Mendola | CERN | Recent Advanced Seismic Studies at CERN | 9:40 |
| Izan Amano | RIKEN | Earthquake-registrant clamping project in RIKEN | 10:00 |

Environmental Protection and Sustainability (Chair : Yoshimi Kasugai)

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| Sonja Kleiner | CERN | CERN's strategy for an environmentally responsible research | 9:00 |
| Sabrina Schadeegg | CERN | From detection to intervention - how environmental incidents are managed at CERN | 9:20 |
| Hiroki Okuno | RIKEN | Helium gas recycle in RIKEN Wako campus | 9:40 |
| Mathieu Lemetayer | CERN | CERN's historic Main Building – removing building pollutants from the past | 10:00 |

Break (20 min)

10:20

Electrical Safety (Chair : Sven Mohr)

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| Jose Gascon | CERN | Cable Aging Research Project (CARE) Overview | 10:40 |
| Jose Gascon | CERN | CERN Electrical Safety Project (ESP) Overview | 11:00 |
| Helen Boyer | ESS | Electric shock incident on an Instrument Crane | 11:20 |
| Angela Goehring-Crinon | CERN | Challenges and opportunities for CERNs new framework for electrical safety | 11:40 |

| Challenges and Tools for Safety (Chair : Saverio La Mendola) | | | |
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| Simon Marsh | CERN | An updated approach to oxygen deficiency hazard analysis at CERN | 10:40 |
| Jordan Minier | CERN | NuisoCERN project | 11:00 |
| Nathalie de Ruelle | ESS | Incident Reporting at ESS: Development of a New Reporting Tool | 11:20 |
| Andriy Boychenko | CERN | Electrical Safety inspection software toolbox at CERN | 11:40 |
| Break (10 min) | | | 12:00 |
| Closing (Kanenobu Tanaka, Kotaro Bessho, Yves Loertscher) | | | 12:10 |

12:40 End

Poster Presentations

Session (1) : Tuesday, June 11, 12:50-14:10, Session (2) : Thursday, June 13, 12:40-13:40

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| Shogo Higaki | Univ. Tokyo | Minor accidents occurred at the Isotope Science Center, the University of Tokyo from FY2020 to FY2023 |
| Hiroki Matsuda | QST Nanoterasu | Accidents at Nanoterasu before user operation |
| Masumi Suzuki | J-PARC | Some practices of "KY Training": Training for Risk Anticipation in a Pre-Work Briefing at J-PARC |
| Masahiro Hirota | Shinshu Univ. | Educational program initiatives in university liberal arts courses aimed at disseminating accurate radiation knowledge to the general public |
| Masami Tashima | KEK | Introduction of New Safety Scheme for Hazard Information Sharing at KEK |
| Keiko Haraguchi | KEK | Good Practices for Safety and Health at KEK Tokai Campus |
| Jeong-Mu Hur | PAL | Implementing a Fall Prevention Device for 154kV Transmission Tower |
| Yoshifumi Sakaguchi | CROSS | User equipment safety examinations at the MLF J-PARC |
| Jose Gascon | CERN | CERN ELECNSOR Project |
| Iga Maria Krautzstrung | CERN | Safety Aspects of the Technical Galleries Consolidation Program |
| Keitaro Kondo | QST Rokkasho | Health and safety management overview in the validation of Linear IFMIF Prototype Accelerator (LIPAc) at Rokkasho |
| Takeyoshi Goto | KEK | Chemical safety management for electropolishing work of Nb cavities at KEK |
| Kanenobu Tanaka | RIKEN | Discovery and measures of asbestos in a cable pit of an accelerator building |
| Hideaki Takechi | KEK | Introduction of Environmental Safety Office at KEK |
| Masaki Ishida | KEK | Chemical analysis for supporting accelerator operation in KEK |
| Brecht Debrouwere | CERN | Combustibility of epoxy resin for warm magnet coils used at CERN |
| Brecht Debrouwere | CERN | Compressed Air Foam System (CAFS) test: a collaborative evaluation by CERN Fire and Rescue Service and HSE-OHS |
| Koichi Nishikawa | QST Chiba | Emergency Drill Efforts in the National Institutes for Quantum Science and Technology in Chiba District |
| Kyungmin Kim | PAL | Effective Early Fire Extinguishing Using Compact Fire Extinguisher |

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| Jonathan Livin | GANIL | Fire safety improvement in GANIL facilities |
| Saverio La Mendola | CERN | False Floors Inventory for the Prioritization of Consolidation Interventions |
| Saverio La Mendola | CERN | Computation Fluid Dynamics (CFD) assessment of the environmental dispersion of particles from CERN facilities |
| Takuya Saze | NIFS | Radioactivation measurement around the large helical device (LHD) |
| Takashi Naoe | J-PARC | Hands-on maintenance for the target diagnostic system on top shielding of spallation neutron source at J-PARC |
| Hiroki Mukai | RIKEN | Safe handling equipment and procedures for activated material |