

## FDR2022 Selected Paper

The FDR2022 organizing committee has decided to award the FDR2022 Selected Paper to the following 15 presentations.

**Congratulations to the authors!**

The committee strongly recommend these excellent studies to be submitted as full papers to the technical journals of JSME /AESJ, i.e. Mechanical Engineering Journal (MEJ), Mechanical Engineering Letters (MEL), Journal of Nuclear Science and Technology (JNST).

Note:

Information concerning submission to MEJ, MEL and JNST will be sent soon to the corresponding authors by e-mail.

Paper No.	Presenter	Title	Organization
1068	Mr. Kenichiro Nozaki	Evaluation of temperature and hydrogen/water vapor ratio in 1F2 core on March 14, 2011 from 18:40 to 22:40	TEPCO SYSTEMS CORPORATION
1048	Dr. Kan Sakamoto	Interaction between BWR fuel cladding and fuel components in early phase of severe accident	Nippon Nuclear Fuel Development
1057	Dr. Ayumi Itoh	Reaction mechanism of early liquefaction stage of SUS316/Inconel718-Zircaloy4 with and without oxide layer	Tokyo Institute of Technology
1066	Dr. Hiroshi Ohgi	Thermodynamic Evaluation on Solidification Path for U-Zr-Fe-O corium	Japan Atomic Energy Agency
1060	Dr. Michal Cibula	Recent Findings from Fukushima Daiichi Unit 1 Primary Containment Vessel Investigations	Tokyo Electric Power Company Holdings, Inc.
1039	Dr. Christophe Journeau	Experiences from the cutting of metallic blocks from simulant Fukushima Daiichi Fuel Debris	Commissariat a l'Energie Atomique et aux Energies Alternatives
1005	Dr. Emmanuel Porcheron	Aerosol characterization during heating and mechanical cutting of Simulated Uranium Containing Debris: The URASOL project in the framework of Fukushima Daiichi fuel debris removal	Institut de Radioprotection et de Surete Nucleaire
1074	Ms. Sui Satomi	A new concept for large-scale fuel debris retrieval	The University of Tokyo
1045	Dr. Taichi Yamada	Development of Testing Method for Arm Mounted Robot based on Fukushima Daiichi Nuclear Power Station Cases	Japan Atomic Energy Agency
1065	Dr. Jongwon Park	NUCLEAR EMERGENCY TRAINING USING A DISASTER RESPONSE ROBOT	Korea Atomic Energy Research Institute
1014	Dr. Kaiqiang Zhang	Task Planning Tools Enhancement and De-risking Long Reach Mechanisms	UK Atomic Energy Authority
1003	Mr. Vincent Tuan Tran	CURRENT TECHNOLOGIES FOR TRITIUM MONITORING IN GAS AND NEW DEVELOPMENT DURING THE M IONIX TGN DEVELOPMENT PROJECT	Mirion Technologies (Canberra) KK
1040	Dr. Yuji Ikeda	Microwave-enhanced laser-induced breakdown spectroscopy of Zirconium	i-Lab., Inc.
1018	Dr. Eisuke John Minehara	The developmental work of the single-mode CW fiber laser decontamination system using the high-speed scanning and high-power density laser beam	LDD Corporation
1002	Dr. Shun Kanagawa	Development of Stable Solidification Process of Phosphates Waste Form for ALPS Slurry Wastes	Central Research Institute of Electric Power Industry