

**Proceedings of
2021 28th International Conference on
Nuclear Engineering
(ICONE28)**

Volume 3

**August 4-6, 2021
Virtual, Online**

Conference Sponsor
Nuclear Engineering Division

THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS

Two Park Avenue * New York, N.Y. 10016

© 2021, The American Society of Mechanical Engineers, 2 Park Avenue, New York, NY 10016, USA
(www.asme.org)

All rights reserved. Printed in the United States of America. Except as permitted under the United States Copyright Act of 1976, no part of this publication may be reproduced or distributed in any form or by any means, or stored in a database or retrieval system, without the prior written permission of the publisher.

INFORMATION CONTAINED IN THIS WORK HAS BEEN OBTAINED BY THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS FROM SOURCES BELIEVED TO BE RELIABLE. HOWEVER, NEITHER ASME NOR ITS AUTHORS OR EDITORS GUARANTEE THE ACCURACY OR COMPLETENESS OF ANY INFORMATION PUBLISHED IN THIS WORK. NEITHER ASME NOR ITS AUTHORS AND EDITORS SHALL BE RESPONSIBLE FOR ANY ERRORS, OMISSIONS, OR DAMAGES ARISING OUT OF THE USE OF THIS INFORMATION. THE WORK IS PUBLISHED WITH THE UNDERSTANDING THAT ASME AND ITS AUTHORS AND EDITORS ARE SUPPLYING INFORMATION BUT ARE NOT ATTEMPTING TO RENDER ENGINEERING OR OTHER PROFESSIONAL SERVICES. IF SUCH ENGINEERING OR PROFESSIONAL SERVICES ARE REQUIRED, THE ASSISTANCE OF AN APPROPRIATE PROFESSIONAL SHOULD BE SOUGHT.

ASME shall not be responsible for statements or opinions advanced in papers or . . . printed in its publications (B7.1.3). Statement from the Bylaws.

For authorization to photocopy material for internal or personal use under those circumstances not falling within the fair use provisions of the Copyright Act, contact the Copyright Clearance Center (CCC), 222 Rosewood Drive, Danvers, MA 01923, tel: 978-750-8400, www.copyright.com.

Requests for special permission or bulk reproduction should be addressed to the ASME Publishing Department, or submitted online at: <https://www.asme.org/publications-submissions/journals/information-for-authors/journalguidelines/rights-and-permissions>

ISBN: 978-0-7918-8526-0

CONTENTS

Proceedings of the 2021 28th International Conference on Nuclear Engineering Volume 3

Computational Fluid Dynamics (CFD)

ICONE28-61351	V003T08A001
Water Hammer Simulation in Two-Phase Flow Regimes Using Open Source Code OpenFOAM <i>Paul Fuchs and Marco K. Koch</i>	
ICONE28-63180	V003T08A002
A New Concept for Irradiation Experiments in Fast-Reactor Environment: CFD Simulation of the LBE Loop in HYST <i>Ran Kong, Seungjin Kim, Robert Wahlen, and Terry Grimm</i>	
ICONE28-64153	V003T08A003
Results of a LES Application to LBE Turbulent Flow in a Wire-Wrapped Single Rod Channel <i>Andrea Pucciarelli</i>	
ICONE28-64275	V003T08A004
Influence of Inlet Turbulent Flow Generated by Periodic Computations on the Pressure Drop and Axial Velocity Distribution Predictions <i>Chufa Qiu, Bruno Raverdy, Vincent Faucher, and André Bergeron</i>	
ICONE28-64401	V003T08A005
Resistance and Thermal Stress Analysis of Mini-Flow Pipeline of Residual Heat Removal System in Pressurized Water Reactor <i>Yue Pi and Ting Hou</i>	
ICONE28-64436	V003T08A006
Assessment and Analysis of Various Mechanisms in the Coalescence and Breakup Models for Upward Bubbly Flow <i>Shunran Guan, Jinyu Han, Chenru Zhao, and Hanliang Bo</i>	
ICONE28-64515	V003T08A007
Three-Dimensional Numerical Simulation on Transient Natural Circulation Characteristics of DRACS in PLANDTL-DHX Experimental Device <i>Zijia Chen, Daogang Lu, Jinsong Guo, and Yuhao Zhang</i>	
ICONE28-64606	V003T08A008
Migration Characteristics of Sub-Source Items in Breach Occurrences <i>Xu Peng and Tian Ruifeng</i>	
ICONE28-64644	V003T08A009
Numerical Simulation of Added Mass in Narrow Gaps of Multi-Layer Thin-Walled Shell of Fast Reactor <i>Dexuan Duan, Daogang Lu, Yu Liu, and Donghao Li</i>	
ICONE28-64713	V003T08A010
Advances in the Development of a Fluid-to-Fluid Similarity Theory for Fluids at Supercritical Pressure: Results From Sensitivity Analyses <i>A. De Angelis, A. Pucciarelli, S. Kassem, and W. Ambrosini</i>	
ICONE28-64737	V003T08A011
Numerical Analysis of Pressurized Thermal Shock in Reactor Pressure Vessel <i>Yubin Zhang</i>	
ICONE28-64740	V003T08A012
Numerical Simulation of Bubble Shape and Departure in Nucleate Pool Boiling at High Superheat <i>Jyoti Bhati, Swapan Paruya, and Farheen Akhtar</i>	
ICONE28-64755	V003T08A013
Numerical Simulation of Thermo-Hydraulic Characteristics of 7-Pin SFR Test Fuel Bundle With Variable-Pitch Helical Wire <i>Siyuan Li, Aimin Zhang, Songtao Ji, and Yanlin Li</i>	

ICONE28-64822	V003T08A014
Extending a Fluid-to-Fluid Similarity Rationale for Heat Transfer at Supercritical Pressure to R134a <i>Sara Kassem, Andrea Pucciarelli, and Walter Ambrosini</i>	
ICONE28-64842	V003T08A015
Flow Induced Vibration Analysis and Remediation Using a Cartesian Grid Flow Solver <i>Alexander Boschitsch, Pavel Danilov, Andrew Kaufman, and Alan Bilanin</i>	
ICONE28-64908	V003T08A016
A Preliminary Evaluation of the Computational Fluid Dynamics Capabilities in MOOSE <i>Abdullah G. Weiss, M. Goma Abdoelatef, Mohammad T. H. Bani Ahmad, Karim Ahmed, and Mark L. Kimber</i>	
ICONE28-65076	V003T08A017
Tritium Transport Modeling and Analysis for HCCB Blanket of CFETR <i>Baorui Zhang, Zhaoyang Xia, and Zhiwei Zhou</i>	
ICONE28-65276	V003T08A018
Exploring Probability of Gas Entrainment With CFD Analysis of the Flow in the MICAS Experimental Facility <i>Harshit Bhatia, Ulrich Bieder, Yannick Gorsse, and David Guenadou</i>	
ICONE28-65662	V003T08A019
Investigation of Applicability of Subchannel Analysis Code ASFRE on Thermal Hydraulics Analysis in Fuel Assembly With Inner Duct Structure in Sodium Cooled Fast Reactor <i>Norihiro Kikuchi, Yasutomo Imai, Ryuji Yoshikawa, Norihiro Doda, and Masaaki Tanaka</i>	
ICONE28-66793	V003T08A020
Analysis of Particle Transfer Behavior in Fuel Rod Bundles Using CFD Lagrangian Particle Tracking Method <i>Yiban Xu, Michael A. Krammen, Guoqiang Wang, Jesse S. Fisher, and Zeses Karoutas</i>	
Verification and Validation	
ICONE28-62354	V003T09A001
Validation of Evaluation Method of Feedback Reactivity for Plant Dynamics Analysis Code During Unprotected Loss of Heat Sink Event in Sodium-Cooled Fast Reactors <i>Kazuo Yoshimura, Norihiro Doda, Masaaki Tanaka, Hidemasa Yamano, and Kennichi Igawa</i>	
ICONE28-64393	V003T09A002
Application of Best-Estimate Plus Uncertainty Analysis Method in Nuclear Safety Evaluation <i>Xinlu Tian, Jianping Jing, Shaoxin Zhuang, and Haiying Chen</i>	
ICONE28-64450	V003T09A003
Experiment on Vortex Shedding in Water Medium of Three-Way Closed Branch Pipe <i>Shuai Liu, Xuan Huang, ZhiPeng Feng, XiaoZhou Jiang, and BiHao Wang</i>	
ICONE28-64622	V003T09A004
Application of Finite Difference Jacobian Based Newton-Krylov Method for Coupled Neutronics/Thermal Conduction Problems of Nuclear Reactor <i>Baokun Liu, Yingjie Wu, Han Zhang, Jiong Guo, and Fu Li</i>	
ICONE28-64721	V003T09A005
Verification of PWR-Core Analysis Code CORAL Using VERA Core Physics Benchmark <i>Wen Yang, Fei Chao, Jinrong Qiu, Xing Li, and Baolin Liu</i>	
ICONE28-64749	V003T09A006
Preliminary Verification Calculation and Sensitivity Analysis on PISAA Code Compared to MELCOR <i>Mingqiang Song, Ningna Zhang, Xiaoming Yang, Rubing Ma, Zhiyi Yang, and Chao Ding</i>	
ICONE28-64912	V003T09A007
A Small PWR-Core Physical Calculation Based on PWR-Core Analysis Code CORAL <i>Wen Yang, Lun Zhou, Junrong Qiu, and Yun Tai</i>	
ICONE28-66712	V003T09A008
Validation of Computational Fluid Dynamics Models for Industrial Applications <i>Milorad B. Dzodzo</i>	

Advanced Methods of Manufacturing (AMM) for Nuclear Reactors and Components

- ICONE28-63770** V003T10A001
Investigation on Solidification Behavior of Deposited Metal by GTAW With ERNiCrFe-13 Wire
Xiao Guo, Kai Xu, Xiaochun Lv, Peiyin Chen, Bo Chen, and Shubin Huo
- ICONE28-64302** V003T10A002
Application of High-Precision Assembly Technology for Large Structures by Laser Beam Welding
Tomoyuki Nishiyama, Takashi Kagawa, Shuho Tsubota, and Masahiro Kimura
- ICONE28-68543** V003T10A003
Additive Manufacturing at Westinghouse
William Cleary, Clinton Armstrong, David Huegel, and Thomas Pomorski

Decontamination, Decommissioning, and Radioactive Waste Management

- ICONE28-60369** V003T11A001
Scenario Development for Nuclear Emergency Decision Deduction Training Platform for Radiographers in Developing Countries (Case Study, Ghana)
Priscilla Obeng Oforiwaa, Liang Manchun, Zhang Chao, Su Guofeng, and Li Ke
- ICONE28-60416** V003T11A002
System Modelling Approach of Radionuclide Soil-to-Plant Transfer for Nuclear Emergencies Decision; Case Study - China
Priscilla Obeng Oforiwaa, Liang Manchun, and Su Guofeng
- ICONE28-60437** V003T11A003
Research of a Fast Sample Preparation Method for Water Radioactivity Measurement
Shuijun He, Xiangwei Wang, Manchun Liang, Guofeng Su, Anying Chen, Chao Zhang, and Ke Li
- ICONE28-61090** V003T11A004
Radiation Dose Evaluation of Typical Design Basis Accident for Advanced PWR in China
Haiying Chen, Shaowei Wang, Xinlu Tian, and Fudong Liu
- ICONE28-63239** V003T11A005
Risk Factors Selection Approach for Nuclear Decommissioning Risk Assessment, Modeling, and Management
Ngbede Junior Awodi, Yong-Kuo Liu, Abiodun Ayodeji, and Justina Onyinyechukwu Adibeli
- ICONE28-63369** V003T11A006
Study on the Structural Evaluation and Optimization of Spent Nuclear Fuel Cask
Yuchen Hao, Jinhua Wang, Yue Li, Bin Wu, Haitao Wang, and Tao Ma
- ICONE28-63388** V003T11A007
Investigation and Design of Energy-Absorbing Structure in Nuclear Fuel Cask
Yuchen Hao, Yue Li, Jinhua Wang, Bin Wu, Tao Ma, and Haitao Wang
- ICONE28-64203** V003T11A008
The Development Status of Decommissioning Technology of Nuclear Facilities: An Insight From Patents
Yading Zhang, Dan Mo, Ran Su, and Haoliang Zhong
- ICONE28-64335** V003T11A009
Design Analysis of Radiation Shielding Door in High-Level Waste Treatment Plant
Jingyi Shen, Zonghuan Chen, Bingheng Wang, and Guiling Gao
- ICONE28-64357** V003T11A010
Summary of the Practice of Clearance of Uranium-Containing Calcium Fluoride Slags in China's Nuclear Facilities
Jing Jiang, Qiang Lei, Chen Xu, Zhaowen Zhu, Chunyan Xu, Shijun Wang, Xiaolong Li, and Min Zhang
- ICONE28-64641** V003T11A011
The Vertical Leaching Migration Research on ¹³⁷Cs in Soil Around Shidaowan Plant of CAP1400
Qiong Zhang

ICONE28-65129 **V003T11A012**

Features of a BWR Neutron Absorber Melt Relocation in an Oxidative Environment During the CLADS-MADE-02 Test

Anton Pshenichnikov, Yuji Nagae, and Masaki Kurata

ICONE28-65725 **V003T11A013**

Estimation of the Amount of I-129 in the Environment Generated Due to the Decay of Te-129m Discharged by the Fukushima NPS Accident

Haruo Sato

ICONE28-66590 **V003T11A014**

Solving the Challenges of Early Storage of Spent Fuel: the SENTRY™ Spent Fuel Management System

Timothy M. Lloyd

Beyond Design Basis and Nuclear Safety

ICONE28-60964 **V003T12A001**

Analysis of the Reflooding Process in Degraded Particle Beds by Simulations of the Debris Test Facility With the Severe Accident Analysis Code ASTEC V2.1 and COCOMO Code

Jan M. Peschel, Christoph Bratfisch, and Marco K. Koch

ICONE28-61200 **V003T12A002**

Experimental Study on Aerosol Transport Behavior in Multiple Cells With Expandable Connecting Pipe for Safety Assessment of Sodium-Cooled Fast Reactors

Ryota Umeda, Toshiki Kondo, Shin Kikuchi, and Akikazu Kurihara

ICONE28-62252 **V003T12A003**

Study on Eutectic Melting Behavior of Control Rod Materials in Core Disruptive Accidents of Sodium-Cooled Fast Reactors: (2) Kinetic Study on Eutectic Reaction Process Between Stainless Steel With Low Boron Carbide Concentration and Stainless Steel

Shin Kikuchi, Toshihide Takai, Hidemasa Yamano, and Kan Sakamoto

ICONE28-62333 **V003T12A004**

Study on Safety Class 2 Piping Fatigue Evaluation for 60 Years of Design Life

Dae-Geon Lee, Kyoung-Su Kim, Young-Hun Heo, Seong-Ho Cho, and Hyeong-Wook Kim

ICONE28-63275 **V003T12A005**

Source and Concentration of Radionuclides by Inland Nuclear Power Plant Under Normal Operation

Jiaxin Wang and Liuguo Zhang

ICONE28-63285 **V003T12A006**

Analyses of Wet and Dry Cavity Strategies for BWR Severe Accident Management With MELCOR-2.2

Ayato Takashima, Akifumi Yamaji, Xin Li, Daisuke Fujiwara, Hiroshi Shirai, and Takumi Noujuu

ICONE28-63286 **V003T12A007**

Analytical Study on Removal Mechanisms of Cesium Aerosol From a Noble Gas Bubble Rising Through Liquid Sodium Pool (II) Effects of Particle Size Distribution and Agglomeration in Aerosols

Shinya Miyahara, Munemichi Kawaguchi, Hiroshi Seino, Takuto Atsumi, and Masayoshi Uno

ICONE28-63301 **V003T12A008**

Study on Eutectic Melting Behavior of Control Rod Materials in Core Disruptive Accidents of Sodium-Cooled Fast Reactors: (1) Project Overview and Progress Until 2019

Hidemasa Yamano, Toshihide Takai, Tomohiro Furukawa, Shin Kikuchi, Yuki Emura, Kenji Kamiyama, Hiroyuki Fukuyama, Hideo Higashi, Tsuyoshi Nishi, Hiromichi Ohta, Koji Morita, and Kinya Nakamura

ICONE28-63536 **V003T12A009**

Preliminary Simulations on the Atmospheric Dispersion of Radioactive Substance for the Two Sites in Tunisia

Elyes Ghannouchi, Yu Wang, Jianzhu Cao, Feng Xie, Liuguo Zhang, Jiejuan Tong, Rentai Yao, and Khaled Debbabi

ICONE28-63630	V003T12A010
The Development of the NPP Nuclear Emergency Drilling Assistant System <i>Chen Yanfang, Hou Xueyan, Chao Fei, Li Longze, He Chuan, and Yang Wen</i>	
ICONE28-64081	V003T12A011
Equal Forced Time Step Approach to PSA for a Dynamic System – A Case of the Holdup Tank <i>E. E. Taapopi, H. Wang, and J. Zhou</i>	
ICONE28-64082	V003T12A012
Dropping-Rod Analysis of Control Rod in ADS Lead-Bismuth Alloy Zero-Power Reactor <i>Hui Fu, Daogang Lu, and Yu Liu</i>	
ICONE28-64099	V003T12A013
Development of a Passive Reactor Shutdown Device for Prevention of Core Disruptive Accidents in Fast Reactors: Project Overview and Preliminary Results <i>Koji Morita, Wei Liu, Tatsumi Arima, Yuji Arita, Koharu Kawase, Isamu Sato, Haruaki Matsuura, Yoshihiro Sekio, Hiroshi Sagara, and Masatoshi Kawashima</i>	
ICONE28-64130	V003T12A014
The Experimental Research of Surface Characteristics on CHF for the Downward Facing Surface <i>Bo Lin, Lei Zhang, Dongshan Wei, Junying Xu, Xiangyu Yun, and Huiyong Zhang</i>	
ICONE28-64193	V003T12A015
A Graph-Based Scene Understanding Approach for Ensuring Proper Use of Personal Protective Equipment at the Decommissioning Site of Fukushima Daiichi Nuclear Power Station <i>Shi Chen and Kazuyuki Demachi</i>	
ICONE28-64246	V003T12A016
Estimation of Long-Term Ex-Vessel Debris Cooling by Water in Fukushima Daiichi Nuclear Power Plant Unit-3 <i>Ikken Sato, Akifumi Yamaji, Xin Li, and Hiroshi Madokoro</i>	
ICONE28-64258	V003T12A017
The Safety of Nuclear Fuel Cycle Facilities in China After the Fukushima Accident <i>Ji Que, Xiao-wei Yang, Yun-tao Liu, Shan-gui Zhao, Hong Shen, and Tian-Shu Liu</i>	
ICONE28-64262	V003T12A018
The Radioactivity Monitoring of Environmental Samples in Zhejiang During the Events of Nuclear Leakage in Japan <i>Gongye Liu, Jia Yang, Xiaoyan Hu, Fei Hu, and Yuanyi Xiang</i>	
ICONE28-64368	V003T12A019
Study on Potential Leakage and Electrical Performance for Electrical Penetration Assemblies Under Severe Accident Conditions <i>Yu Liu, Jing Liu, Cong Wang, and Heng Gao</i>	
ICONE28-64402	V003T12A020
Analysis and Research on Sodium Single Droplet Combustion <i>Lei Zhao</i>	
ICONE28-64403	V003T12A021
Study on Main Radionuclides of Liquid Waste in Containment Under Severe Accident <i>Shaowei Wang, Haiying Chen, and Wei Li</i>	
ICONE28-64415	V003T12A022
Sensitivity Analysis on the Blast Resistance of Steel Concrete Structure Wall Based on CONWEP <i>Guopeng Ren, Rong Pan, Feng Sun, and Liang Li</i>	
ICONE28-64417	V003T12A023
Analysis of IPWR Severe Accident Process Response to SBLOCA <i>Hao Yu and Minjun Peng</i>	
ICONE28-64429	V003T12A024
Research and Design of LBB System for Main Pipeline of Nuclear Power Plant <i>Yingying Jiang, Hong Xia, Zhichao Wang, Jiyu Zhang, and Wenzhe Yin</i>	

ICONE28-64500	V003T12A025
Fragmentation and Cooling Behavior of a Simulated Molten Core Material Discharged Into a Sodium Pool With Limited Depth and Volume <i>Ken-ichi Matsuba, Shinya Kato, Kenji Kamiyama, Assan S. Akayev, and Viktor V. Baklanov</i>	
ICONE28-64514	V003T12A026
A Beyond Design Basis Earthquake Study of Operating Nuclear Fuel Cycle Facilities <i>Li Liang, Pan Rong, Zhu Xiuyun, and Ren Guopeng</i>	
ICONE28-64540	V003T12A027
Preliminary Evaluation on the Relocation Phase of Ex-Vessel Debris of Fukushima Daiichi Nuclear Power Plant Unit-3 <i>Xin Li, Akifumi Yamaji, Masahiro Furuya, Ikken Sato, Hiroshi Madokoro, and Yuji Ohishi</i>	
ICONE28-64559	V003T12A028
Towards Malicious Action Detection for Nuclear Security via Integrated Deep Learning Based Image Recognition and Natural Language Processing <i>Kazuyuki Demachi, Masaki Sudo, and Shi Chen</i>	
ICONE28-64611	V003T12A029
Severe Accident Analysis of a Floating Nuclear Power Plant After Station Black Out Accident <i>Longze Li, Fei Chao, Chuan He, Yun Tai, Jinrong Qiu, Shiwei Yao, Wen Yang, Jue Wang, and Xiaofan Hou</i>	
ICONE28-64709	V003T12A030
Hydrodynamic Analysis of Steam Generator Under LOCA Conditions <i>Xiaoqiang He, Puzhen Gao, and Weichao Yuan</i>	
ICONE28-64958	V003T12A031
An Optimized Dynamic Algorithm With Photon Attenuation Coefficient for Path-Planning in Radioactive Environments <i>Miyombo Ernest Miyombo, Yongkuo Liu, and Abiodun Ayodeji</i>	
ICONE28-65078	V003T12A032
Loss of Main Feedwater ATWS Accident Analysis for Ship Nuclear Power Platform <i>Jinrong Qiu, Song Feifei, Li Longze, Hou Xiaofan, and Chao Fei</i>	
ICONE28-65676	V003T12A033
Characteristics of Debris From Simulated Molten Fuel Coolant Interaction Experiments <i>E. Hemanth Rao, Prabhat Kumar Shukla, Paulson Varghese, S. R. Polaki, E. Vetrivendan, Sanjay Kumar Das, D. Ponraju, S. Athmalingam, and B. Venkatraman</i>	
ICONE28-65785	V003T12A034
Investigation on Thermal Stability of Sintered Magnesia in Sodium for Core Catcher Application in SFRs <i>Prabhat Kumar Shukla, E. Hemanth Rao, Muthuganesh M., E. Vetrivendan, S. R. Polaki, Sanjay Kumar Das, S. Ningshen, Pramod Kumar Chaurasia, D. Ponraju, S. Athmalingam, and B. Venkatraman</i>	
ICONE28-66662	V003T12A035
Study on PSA Application in VVER NPP Design Extension Condition Identification <i>Chao Ma, Yuan Ma, and Jinyan Du</i>	

Risk Informed Management and Regulation

ICONE28-64329	V003T13A001
Level 2 Probability Safety Assessment for External Events: Approach and Application for NPPs in China <i>Yu Liu, Cong Wang, Jing Liu, and Heng Gao</i>	
ICONE28-64332	V003T13A002
Application of Probabilistic Safety Analysis for Nuclear Power Plant Overhaul Risk Assessment <i>Deyi Liu, Yong Cao, Ming Zhao, Yang Luo, Shengjia Zou, Mengying Hu, Jie Xu, Li Wang, and Ling Zhao</i>	

ICONE28-64413	V003T13A003
Periodic Test Period Extension for Partial Closing of Main Steam Isolation Valve <i>Deyi Liu, Yong Cao, Ming Zhao, Zilong Wang, Yang Luo, Shengjia Zou, Mengying Hu, Jie Xu, and Li Wang</i>	
ICONE28-64423	V003T13A004
The Safety Analysis of the Design of the Reactor Coolant Pump Heat Shield in Qinshan Nuclear Power Plant <i>Zilong Wang, Deyi Liu, Ming Zhao, Li Wang, and Jie Xu</i>	
ICONE28-64509	V003T13A005
Study of Recent Sodium Pool Fire Model Improvements for MELCOR Code <i>Mitsuhiro Aoyagi, David L. Y. Louie, Akihiro Uchibori, Takashi Takata, and David Luxat</i>	
ICONE28-64543	V003T13A006
Configuration Risk Management Support for the Maintenance Rules at Qinshan NPP1 <i>Li Wang, Zilong Wang, Deyi Liu, Jie Xu, Jianzhang Zhou, and Shengjia Zou</i>	
ICONE28-64590	V003T13A007
Probabilistic Safety Assessment on Unavailability of Auxiliary External Power Supply in Fangjiashan Nuclear Power Plant <i>Shengjia Zou, Ming Zhao, Deyi Liu, Naiyuan Zhang, Yang Luo, Li Wang, Jianguo Zhang, and Honghao Chen</i>	
ICONE28-64597	V003T13A008
PSA Analysis of Switch Port Disabled on DCS Layer 1 <i>Yang Luo, Deyi Liu, Shengjia Zou, and Yong Cao</i>	
ICONE28-65152	V003T13A009
Research on Internal Fire Ignition Frequency of Fire Probability Safety Analysis in Small Module Reactor <i>Yanzhu Chen and Zhichao Yang</i>	
ICONE28-65349	V003T13A010
Chinese Public and Nuclear Experts May Have Different Perceptions Of Severe Nuclear Accidents <i>Hsingtzu Wu and Leyao Huang</i>	
ICONE28-66056	V003T13A011
Study on the Off-Site Consequence Evaluation of NPP Severe Accident Based on JRODOS Platform <i>Xuan Wang, Li Guo, Xiuqing Lin, Xiang Pu, Fenglei Du, Xiaodong Huang, Xiaowei Xiong, and Bo Wang</i>	