

# Workshop 1

## Computational Fluid Dynamics

19<sup>th</sup> May, 2019 10:00-16:40@Conference Room 102

Title	Name
Chair / Secretary	Hiroyuki Yoshida [JSME]
Co-chair	Yassin Hassan [ASME]
Co-chair	Wenxi Tian [CNS]

No.	Time	Title	Speaker
1	10:00-10:30	Opening	Yassin Hassan [Texas A&M Univ.] Wenxi Tian [Xi'an Jiaotong Univ.]
2	10:30-11:10	Introduction of CFD simulation and Workshop	Hiroyuki Yoshida [JAEA]
3	11:10-11:50	Brief introduction of V&V issues in CFD application*	Richard Schultz [Texas A&M Univ.]
4	11:50-12:30	Practical application of CFD to a design process of PWR	Yasushi Makino [Nuclear Development Corp.]
5	12:30-13:30	Lunch	-
6	13:30-14:10	CFD grade experiments and measurement techniques for two-phase flow	Takahiro Arai [Central Research Institute of Electric Power Industry]
7	14:10-14:50	Theoretical and experimental works to validate CFD tools	Sichao TAN [Harbin Engineering Univ.]
8	14:50-15:10	Coffee break	-
9	15:10-15:50	Application of CFD simulation for engineering fields	Wenxi TIAN [Xi'an Jiaotong Univ.]
10	15:50-16:30	State of the art CFD simulation or Application of CFD simulation for engineering fields (2)*	Elia Merzari [Argonne National Lab.]
11	16:30-16:40	Closing	Hiroyuki Yoshida [Japan Atomic Energy Agency]

\*Tentative titles

# Workshop 2

## Thermal-Hydraulics methods, Experimentation and Benchmarking

19<sup>th</sup> May, 2019 10:00-16:00@Conference Room 201B

Title	Name
Chair / Secretary	Nejdet Erkan [JSME]
Co-chair	Guoqiang Wang [ASME]
Co-chair	Xiaojing Liu [CNS]

No.	Time	Title	Speaker
1	10:00-10:15	Opening	Chair/Co-chairs
Thermo-Hydraulic Methods of LWRs			
2	10:15-11:00	Thermal-hydraulic measurement methods for CFD-grade two-phase flow database	Atsushi Ui [Central Research Institute of Electric Power Industry]
3	11:00-11:45	Thermal-hydraulic analysis of key components of NPP system by CFD porous medium method	Wenxi Tian [Xi'an Jiaotong University]
4	11:45-12:30	Scaling and Integral System Thermal-Hydraulic Testing	Guoqiang Wang [Westinghouse]
5	12:30-13:15	Lunch	-
Thermo-Hydraulic Methods of Advanced Reactors			
6	13:15-14:00	TH Methods for Advanced Reactors: Defining and Meeting Analysis Requirements	Richard Schultz [Texas A&M Univ.]
7	14:00-14:45	Thermal-hydraulics of SFR with chemical reactivity	Takashi Takata [Japan Atomic Energy Agency]
8	14:45-15:00	Coffee Break	
9	15:00-15:45	Thermal-hydraulics simulation methods for advanced reactors: Current status and challenges	Xiaojing Liu [Shanghai Jiao Tong University]
10	15:45-16:00	Closing	

# Workshop 3

## Nuclear Codes and Standards

19<sup>th</sup> May, 2019 10:00-16:30@Conference Room 202A

Title	Name
Chair / Secretary	Clayton Smith [ASME]
Co-chair	Kazuyuki Tsukimori [JSME]

No.	Time	Title	Speaker
1	10:00-10:10	Welcome and Introduction	Clayton Smith [SmithACG, LLC]
2	10:10-10:40	JSME Nuclear Codes and standards Updates	Keiji Matsunaga [Toshiba ESS]
3	10:40-11:10	The benefits for an Engineer to be involved in the development of Codes and Standards	Suzanne McKillop [MPR Associates]
4	11:10-11:40	Current Activities and Initiatives of the ASME/ANE Joint Committee on Nuclear Risk Management	Christian Sanna [Director of Nuclear Codes and Standards, ASME]
5	11:40-12:10	Overview of Nuclear Power Standards in China	Deng Ruiyuan [Nuclear power standardization research center, China Institute for Standardization of Nuclear Industry]
6	12:10-13:00	Lunch	-
7	13:00-13:30	Importance of Conformity Assessment	Matthew Vazquez [ASME PC]
9	13:30-14:10	System Based Code	Tai Asayama [Japan Atomic Energy Agency]
10	14:10-14:40	ASME Nuclear Codes and Standards Updates	Robert Keating [MPR Associates]
11	14:40-15:10	Coffee Break	-
11	15:15-15:45	Piping Seismic Analysis	Masaki Morishita [Japan Atomic Energy Agency]
13	15:45-16:15	ANDE-1 NDE and QC Qualification Program	Clayton Smith [SmithACG, LLC]
14	16:15-16:30	General QA	Kazuyuki Tsukimori [University of Fukui]

# Workshop 4

## Probability Risk Assessment and Sever Accidents

19<sup>th</sup> May, 2019 13:00-16:45@Conference Room 202B

Title		Name
Chair / Secretary		Yoshihisa Nishi [JSME]
Co-chair		Yidan YUAN [CNS]

  

No.	Time	Title	Speaker
1	13:00-13:10	Introduction	Chair/Co-chairs
PRA Technology			
2	13:10-13:40	SFP PRA for UK ABWR	Bumpei Fujioka [Hitachi-GE Nuclear Energy, Ltd.]
3	13:40-14:10	Approach to TUNAMI PRA	Hiroyuki Yamada [Central Research Institute of Electric Power Industry]
4	14:10-14:45	Application of PRA to VVER evaluation in China	Jinlong Sun [China Nuclear Power Engineering Co.,LTD.]
5	14:45-15:15	Coffee break	-
SA phenomena & calculation			
6	15:15-15:45	Overview of Nuclear Reactor Severe Accident Research in Xi'an Jiaotong University	Guanghui Su, Yapei Zhang [Xi'an Jiaotong University]
7	15:45-16:15	Current Status of CFD based simulation method for melt relocation	Susumu Yamashita [Japan Atomic Energy Agency]
8	16:15-16:45	Recent evaluation of accident at Fukushima Daiichi Power Station	Marco Pellegrini [The Institute of Applied Energy]

# Workshop 5

## Fluid Transient

19<sup>th</sup> May, 2019 13:0-16:10@Conference Room 201A

Title	Name
Chair / Secretary	Asif Arastu [ASME]
Co-chair	Chikako Iwaki [JSME]
Co-chair	Jinbiao Xiong [CNS]

No.	Time	Title	Speaker
1	13:00-	Introduction	TBD
2	TBD	TBD	Asif Arastu [Unisont Engineering, Inc.]
3	TBD	TBD	Bob Stakensbourghs [ILD Power]
4	TBD	TBD	Changliang Liu [China Nuclear Power Engineering Co., Ltd.]
5	-16:10	Closing	TBD

To be updated