WASEDA University
早稲田大学

(Last updated: 2018/5/17)

The First CEA-Waseda Joint Workshop on Severe Accident and Safety of Nuclear Reactors

(第 1 回早稲田大学/CEA 原子炉過酷事故安全研究ワークショップ)

June 11-13, 2018

Meeting Room 2, Ground Floor, Building 55N, Nishiwaseda Campus

Waseda University

3-4-1, Okubo, Shinjuku-Ku, Tokyo, Japan

Hosted by: Japan Society for the Promotion of Science (JSPS)

Cohosted by: Waseda Research Institute for Science and Engineering

Cohosted by: Cooperative Major in Nuclear Energy, Waseda University

Language : English

Day 1 (13:30-18:00) Session 1: Overview of Programme of Works and Needs for Further R&D

13 :30 – 13 :35 Opening remarks (Akifumi Yamaji, Waseda University)

13 :35 – 13 :40 Self introduction of participants

13 :40 – 14 :20 Overview of programme of works at CEA Cadarache Severe Accident Experimùental Laboratory (Christophe Journeau, CEA/Cadarache)

14 :20 – 15 :00 Overview of programme of works at CEA Cadarache Severe Accident Modelling Laboratory (Jean-Francois Haquet, CEA/Cadarache)

Break

15:20 – 16 :00 Needs for understanding of accident progression behavior in support of Fukushima-Daiichi Decommissioning (Ikken Sato, JAEA/CLADS)

16:00 – 16 :40 Issues for debris coolability in accident management guideline (Daisuke Fujiwara, TEPSYS)

16:40 – 17 :20 Overview of severe accident research at Central Research Institute of Electric Power Industry (Masahiro Furuya, CRIEPI)

17 :20 – 18 :00 Overview of severe accident analysis and modeling at Waseda University and discussions on potential collaborations among the participants (Akifumi Yamaji, Waseda University)

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Day 2

9:30 – 12 :00 Session 2 : Seeds for Potential Collaborations

9:30 – 10 :10 High temperature melt property research at Osaka University (Yuji Ohishi, Osaka University)

10 :10 – 10 :40 MCCI simulation with MPS Method (Xin Li, JAEA/CLADS)

10 :40 – 11 :10 Development of MPS method for enhancing its applications from laminar flow to turbulence flow involving solid-liquid phase changes (Guangtao Duan, Waseda University)

11 :10 – 12 :00 BWR severe accident analysis with MELCOR (Kodai Wadayama, Waseda University)

12 :00 – 14 :00 Lunch with posters by students

14 :00 – 17 :00 Corium Spreading Research Session

- Findings from VULCANO VE-U7 experiments
- Modeling of THEMA code and state-of-the-art understanding on spreading analyses
- MPS-THEMA Crosswalk :
  - Background, purpose of the benchmark and description of Phase-1 draft specifications (Jubaidah, Waseda University)
  - Discussions on Phase-1 draft specifications

Day 3 (10 :00 – TBD)

- MPS-THEMA Crosswalk : Discussions on Phase-1 final specifications
- Discussions on future plans, conferences, publications, joint activities, internships

Participants from France

Christophe JOURNEAU (Severe Accident Experimùental Laboratory (LEAG), CEA)

Jean-Francois HAQUET (Severe Accident Modelling Laboratory (LMAG), CEA)

Laurence BUFFE (Severe Accident Modelling Laboratory (LMAG), CEA)

Barbara BIGOT (Severe Accident Modelling Laboratory (LMAG), CEA)

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Registration

Please send your e-mail to akifumi.yamaji@waseda.jp with the followings:

1) Name 2) affiliation 3) position 4) E-Mail address

Access

https://www.waseda.jp/top/en/access/nishiwaseda-campus