AGENDA
International Workshop on Prevention and Mitigation of Severe Accidents in Sodium-cooled Fast Reactors
11th -13th June, 2012 in Tsuruga, JAPAN

Monday, 11 June
Technical Tour to Monju (optional) [12:45 meet at Tsuruga JR Station]

Tuesday, 12 June 9:00-12:00 (The Wakasa Wan Energy Research Center)

Opening [Facilitator: Mr. Yutaka Sagayama (JAEA)]
9:00 - 9:05 Welcome address Mr. Atsuyuki Suzuki (Japan/JAEA)
9:05 - 9:15 Opening remarks Mr. Yonezo Tsujikura (Japan/JAEA)

Keynote speeches
9:15 - 9:30 Mr. Alexander Bychkov (IAEA)
   “Fast Reactors and Closed Fuel Cycle: Safe Technologies and Sustainability”
9:30 - 9:45 Mr. David Hill (US/INL)
   “SFR Safety Approach in the United States”
9:45 - 10:00 Mr. Francois Gauche (France/CEA)
   “Advanced Sodium Technological Reactor for Industrial Demonstration, - THE ASTRID PROJECT-, Status, Collaborations, Lessons from Fukushima Accident”
10:00 - 10:15 Ms. Marie-Pierre Comets (France/ASN)
   “Gen IV: a necessary step forward in safety compared to Gen III”
10:15 - 10:30 Mr. Thomas A. Kevern (US/NRC)
   “Regulatory Update on Advanced Reactors”
10:30 - 10:45 Mr. Hiroshi Ikukawa (Japan/MEXT)
   “Current Status of Nuclear Policy and FBR R&D in Japan”

Coffee break (10:45 – 11:00)
Status report [Facilitator: Mr. Satoru Kondo (Japan/JAEA)]

11:00 - 11:15 Mr. Stefano Monti (IAEA),
   “Overview of IAEA Activities in Support of SFR Development and Deployment”

11:15 - 11:30 Mr. Iurii Ashurko (Russian Federation/IPPE)
   “Status of SFR Development in Russia”

11:30 - 11:45 Mr. Perumal Chellapandi (India/IGCAR)
   “Overview of Indian FBR Programme” and
   Mr. Prabhat Kumar (India/BHAVINI)
   “Proposed Activities at PFBR in the Wake of Fukushima Accident”

11:45 - 12:00 Mr. Donghui Zhang (China/CIAE)
   “Status of China National SFR Program”

12:00 - 12:15 Mr. Yeong-il Kim (Korea/KAERI)
   “Status of SFR Development in Korea”

12:15 - 12:30 Mr. Bruno Rudi Merk (Germany/HZDR)
   “German SFR Research and European Sodium Fast Reactor Project”

Lunch (12:30 - 13:30)

Technical Sessions

Session I: Safety Approaches of SFR system [Facilitator: Prof. Yoshio Kani (Japan/Tokai-U), Mr. Tanju Sofu (US/ANL)]

I-1. Safety Approach and Basic Safety Characteristics of SFR

13:30 - 14:00 Mr. Ryodai Nakai (Japan/JAEA)

I-2. Severe Accident Countermeasures of SFR

14:00 - 14:30 Mr. Bernard Carluec (France/AREVA/CEA/EDF)
   “Severe Accident Countermeasures of SFR”

14:30 - 15:00 Mr. Iurii Shvetsov (Russia/IPPE)
   “Russian Safety Approach for NPPs with SFR”
Coffee break (15:00 - 15:30)

15:30 - 16:00 Mr. Tanju Sofu (US/ANL)
    “U.S. Approach for Inherent Prevention and Mitigation of SFR Severe Accidents”
16:00 - 16:30 Mr. Karuppanna Velusamy (India/IGCAR)
    “Evolution and Assessment of Core Disruptive Accident Scenarios in SFR: From PFBR to CFBR”
16:30 - 17:30 Mr. Shigenobu Kubo (Japan/JAEA)
    “Safety design approach featuring Severe accident countermeasures for GEN-IV SFR - JSFR Approach –” and
    Mr. Mamoru Konomura (Japan/JAEA)
    “Severe Accident Countermeasures of SFR (on Monju)”

Banquet (18:30 - 20:30) New Sunpia TSURUGA

Wednesday, 13 June (The Wakasa Wan Energy Research Center)

Session II: Technology Gaps and R&D Needs on Severe Accidents in SFR
[Facilitator: Prof. Koji Morita (Japan/Kyushu-U), Mr. Iurii Ashurko (Russia/IPPE)]

II-1. R&D programmes related to Severe Accident in SFR
9:00 - 9:40 Mr. Yoshiharu Tobita and Mr. Hideki Kamide (Japan/JAEA)
    “R&D on Severe Accidents in SFR - Approach toward GEN-IV SFR in JAEA -“
9:40 - 10:00 Mr. Nicolas Devictor (France/CEA/EDF/AREVA)
    “R&D Programmes Related to Severe Accident in SFR”
10:00 - 10:20 Mr. Mitchell T. Farmer (US/ANL/SNL)
    “U.S. Perspective on Technology Gaps and R&D Needs for SFRs”
10:20 - 10:40 Mr. Perumal Chellapandi (India/IGCAR)
    “R&D Highlights Towards Severe Accident Investigations”

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Coffee break (10:50 - 11:10)

11:10 - 11:30 Ms. Lixia Ren (China/CIAE)
“Severe accidents analysis in CEFR and technology gaps”

11:30 - 11:50 Mr. Seok Hun Kang (Korea/KAERI)
“Current Status of Severe Accident Analysis for Korean Sodium-cooled Fast Reactor”

11:50 - 12:10 Mr. Iurii Ashurko (Russia/IPPE)
"Planning Experimental Studies on Modeling Phenomena Occurring under Severe Accidents in SFR"

Lunch (12:20 - 13:20)

Session III: Panel discussion 13:20 - 14:50

Topics:
- Direction for enhancing SFR safety
- Safety approaches of the SFR system against severe accidents
- Essential roles of the existing SFRs such as Monju for improving the safety of future SFRs

Facilitator: Prof. T. Takeda (Japan/Fukui-U), Mr. Stefano Monti (IAEA)

Panelist:
- Mr. Satoru Kondo (Japan/JAEA)
  “Current Status and Safety of Monju”
- Mr. Yutaka Sagayama (GIF, Japan/JAEA)
  “SFR Safety Design Criteria”
  “Discussion Point in the International Workshop”
- Mr. Tanju Sofu (US/ANL)
  “Importance of Passive Safety and Role of Monju for the Future SFRs”
- Mr. Nicolas DeVictor (France/CEA)
- Mr. Prabhat Kumar (India/BHAVINI)
- Mr. Donghui Zhang (China/CIAE)
- Mr. Iurii Ashurko (Russia/IPPE)
- Mr. Yeong-il Kim (Korea/KAERI)
14:50 - 14:55 Closing remarks, Mr. Yonezo Tsujikura (Japan/JAEA)

Closing of International Workshop

15:15 - 16:15 Internal meeting

Internal meeting by representatives will be held to establish key messages.

Venue: Meeting room (No.3)
Facilitator: Mr. Ryodai Nakai (Japan/JAEA), Mr. Stefano Monti (IAEA)
Participants: Mr. Alexander Bychkov (IAEA)
Mr. Tomas A Kevern (US/NRC)
Mr. David Hill (US/DOE)
Mr. François Gauche (France/CEA)
Mr. Iurii Ashurko (Russia/IPPE)
Mr. Yeong-il Kim (Korea/KAERI)
Mr. Donghui Zhang (China/CIAE)
Mr. Prabhat Kumar (India/BHAVINI)
Mr. Perumal Chellapand (India/IGCAR)i
Mr. Bruno Merk (Germany/HZDR)
Mr. Yutaka Sagayama (GIF, Japan/JAEA)
Mr. Satoru Kondo (Japan/JAEA)

Adjourn the workshop
Press Conference

14th June, 2012 in Tokyo, JAPAN

9:30 – 9:33 Opening*
   Mr. Yusuke Uehara, JAEA

9:33 - 9:43 Objective and introduction of the workshop
   Mr. Yutaka Sagayama, JAEA

9:43 - 9:53 Message from the IAEA concerning idea and expectations for SFR safety and significance to support the workshop*
   Mr. Alexander Bychkov, IAEA

9:53 - 10:23 High level message concerning basic idea for securing SFR safety in each country*
   Representatives from each country (2min per country, France, Germany, India, Korea, Russia, US)
   Mr. David Hill (US/DOE)
   Mr. François Gauche (France/CEA)
   Mr. Iurii Ashurko (Russia/IPPE)
   Mr. Prabhat Kumar (India/BHAVINI)
   Mr. Yeong-il Kim (Korea/KAERI)
   Mr. Bruno Merk (Germany/HZDR)

10:23 - 10:30 Summary of key messages in the workshop
   Mr. Yutaka Sagayama, JAEA

10:30 - 11:30 Q&A*

*Consecutive translation is provided in whole agenda except “objective and introduction of the workshop” and “summary of key messages in the workshop” from Mr. Sagayama.