

**Program of the Workshop on Severe Accident of Sodium-Cooled Fast Reactors
11-14 June 2012, Fukui, Japan**

	June 11, Monday	June 12, Tuesday	June 13, Wednesday	June 14, Thursday
8:00	Tsuruga Technical tour (optional)	Tsuruga	Tsuruga	Tokyo
9:00		9:00 Opening session Welcome address	9:00 Technical sessions (cont.) <u>Session II</u> : Technology gaps	9:30 <u>Press conference</u>
10:00		Opening remarks	and R&D needs on severe	at Akasaka Twin Tower
11:00		Keynote speeches	accidents in SFR	10th floor
12:00	12:45 Meeting at Tsuruga JR Station	Lunch (12:30-13:30)	Lunch (12:20-13:20)	11:30 Adjourn the press
13:00	13:15 Monju			conference
14:00	14:00 Sodium handling	13:30 Technical sessions <u>Session I</u> : Safety approaches	13:20 Technical sessions (cont.) <u>Session III</u> : Panel discussion	
14:40	Observation deck	of SFR system	14:50 Closing remarks	
15:00	15:00 Reactor bldg.	<u>Session I-1</u> : Safety approach and	15:15 Internal meeting	
16:00	16:00 Group photo	basic safety characteristics		
16:30	Monju to Tsuruga	of SFR	16:15 Adjourn the workshop	
17:00	17:00 Adjourn	<u>Session I-2</u> : Severe accident		
18:00		countermeasures of SFR		
19:00		17:30 Adjourn		
20:00		18:30 - 20:30 Banquet		
21:00		New Sunpia Tsuruga		
22:00				

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) (JAEA)

9:05 - 9:15 Opening remarks (Mr. Yonezo Tsujikura) (JAEA)

Keynote speeches

9:15 - 9:30 Mr. Alexander Bychkov (IAEA)

9:30 - 9:45 Mr. David Hill (USDOE/INL)

9:45 - 10:00 Mr. Francois Gauche (CEA)

10:00 - 10:15 Ms. Marie-Pierre Comets (ASN)

10:15 - 10:30 Mr. Thomas A. Kevern (NRC)

10:30 - 10:45 Mr. Hiroshi Ikukawa (MEXT)

Coffee break (10:45 – 11:00)

Status report [Facilitator: Mr. Jacques Bouchard (CEA)]

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)

11:30 - 11:45 Mr. Perumal Chellapandi (India)

11:45 - 12:00 Mr. Donghui Zhang (China)

12:00 - 12:15 Mr. Yeong Il Kim (Korea, Rep. of)

12:15 - 12:30 Mr. Bruno Rudi Merk (Germany)

Lunch (12:30 - 13:30)

Technical Sessions

Session I: Safety Approaches of SFR system

[Facilitator: Prof. Yoshio Kani (Tokai-U), Mr. Tanju Sofu (USDOE/ANL)]

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

[Presentations from Japan] 13:30-14:00

- ✓ Basic safety characteristics of SFR (fundamental differences with LWR)
- ✓ Harmonization of international SFR safety design criteria (SDC)

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

I-2. Severe Accident Countermeasures of SFR

[Presentations from participating countries] 14:00-17:00

- ✓ Safety approaches to severe accidents in SFR
- ✓ Severe accident countermeasures (prevention of severe accidents, mitigation of severe accident consequences, severe accident management)
- ✓ Tolerance to severe accidents in existing SFRs

14:00 - 14:30 France: Mr. Bernard Carluéc (AREVA/CEA/EDF)

14:30 - 15:00 Russia: Mr. Yury Shvetsov (IPPE)

Coffee break (15:00 - 15:30)

15:30 - 16:00 USA: Mr. Tanju Sofu (ANL)

16:00 - 16:30 India: Mr. Karuppanna Velusamy (IGCAR)

16:30 - 17:30 Japan: Mr. Shigenobu Kubo and Mr. Mamoru Konomura (JAEA)

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 (Kyushu-U), Mr. Iurii Ashurko (IPPE)]**

**II-1. R&D programmes related to Severe Accident in SFR
[Presentations from participating countries] 9:00-12:00**

- ✓ R&D on severe accidents in SFR
(review of past and current studies)
- ✓ R&D on innovative technologies for Generation-IV SFR systems
- ✓ Identification of technology gaps on safety measures against severe accidents
- ✓ Experimental tests by utilizing reactors and test facilities
- ✓ Benchmarking activities for verification, validation and qualification
(V&V&Q) of nuclear codes to be used for the design and safety analysis of
innovative SFRs

Japan(40min)

France, U.S., Russian Federation, India, China, Korea, Rep. of, EU (20min x
~6)

9:00 - 9:40 Japan: Mr. Yoshiharu Tobita and Mr. Hideki Kamide (JAEA)

9:40 - 10:00 France: Mr. Nicolas Devictor (CEA/AREVA/EDF)

10:00 - 10:20 USA: Mr. Mitchell T. Farmer (ANL) and Ms. Tara Jean Olivier
(SNL)

10:20 - 10:40 India: Mr. Perumal Chellapandi (IGCAR)

Coffee break (10:50 - 11:10)

11:10 - 11:30 China: Ms. Lixia Ren (CIAE)

11:30 - 11:50 Korea: Mr. Seok Hun Kang (KAERI)

11:50 - 12:10 Russia: Mr. Iurii Ashurko (IPPE)

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

Japan: Mr. Satoru Kondo (JAEA) and Mr. Yutaka Sagayama (JAEA)

USA: Mr. Tanju Sofu (USDOE/ANL)

France: Mr. Nicolas DeVictor (CEA)

India: Prabhat Kumar (India)

China: Mr. Donghui Zhang (CIAE)

Russian Federation: Mr. Iurii Ashurko (IPPE)

Korea, Rep. of: Mr. Yeong Il Kim (KAERI)

14:50 - 14:55 Closing remarks, Mr. Yonezo Tsujikura (JAEA)

Closing of International Workshop

15:15 - 16:15 Internal meeting

Facilitator: Japan: Mr. Ryodai Nakai, Mr. Stefano Monti

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

Adjourn the workshop

AGENDA

Press Conference

14th June, 2012 in Tokyo, JAPAN

Purpose:

The purpose of this press conference is to call global attention to trends of Sodium-cooled Fast Reactor (SFR) development in the world and the safety of SFRs in the Generation-IV reactors and of existing SFRs.

Time:

9:30 - 11:30

Venue:

Tokyo Akasaka Twin tower, 10F, Hall 10C
2-17-22 Akasaka, Minato-ku, Tokyo (see below)

Organizer:

JAEA in cooperation with the IAEA

Participants

- Press and media representatives
- Representatives of major countries and international organizations (see attached list)
- Domestic officials

Contents:

- ✓ Message from the IAEA
- ✓ Briefing of Trends of SFR development in each country
- ✓ Summary of key messages in the International Workshop on Prevention and Mitigation of Severe Accident in SFRs will be referred.
- ✓ Q&A (Consecutive Interpretation)