

Nov.20 2014

- Overview of SMiRT 25 in Japan -

Followings are now under investigation;

1.Session structure and theme : See Attachment

◀ Session A :

-Future perspective of Nuclear Structural Safety Technology-

◀ Session B

-How Fukushima's lessons learned improved nuclear safety -
Fukushima site tour is to be planned.

◀ Session C

Normal session composed of 10 Divisions

2.Date

ASME PVP(Sept.) / ICONE(May) in the same year are to be avoided.

Aug. or Oct.~Nov. 2019

3.Venue

1st candidate : Tokyo

2nd ditto : Sendai

4.Preparing workshops

Toward SMiRT 25 , preparing work shops on following theme are to be planned.

1st work shops at SMiRT23 (Two half day WSs)

✓ Decommissioning

Current situation of Fukushima,

Current research activity #1 (Japan and other nations)

✓ Future perspective of material and aging matter of NPP structure

2nd work shops at SMiRT24 (Two half day WSs)

✓ Decommissioning #2

Current research activity #2 (International Activity)

✓ Recent advance of high performance computing for
structure of NPP

UK's cooperation on decommissioning work shops would be highly appreciated.

Hiroshi Abe

IASMiRT Advisory Board

Nov.2014 at Manchester

May we talk over on situation of preparing SMiRT25 in Japan ?

1. Regarding my memo for "Overview of SMiRT25 in Japan", situation of preparing SMiRT25 in Japan is as following.

We are just one step before for setting up the preparing organization. A candidate of SMiRT25 core organization is found, which is funded by Japanese utilities.

Some of its executives agreed to be core organization, but the control division handling financial matter not yet.

The division says now;

- a) Interesting, but wait, until utilities will recover their energy
- b) Comparing current SMiRTs, more plain and low cost operation for SMiRT25 are desirable

2. Current situation in Japan

Nuclear utilities and industries are now concentrating their energy on clearing new regulation codes to re-start NPPs.

NRA(Nuclear Regulation Authority)recently approved that countermeasures taken for the first plant, Sendai NPP in Kyusyu, are conformed to new codes. Once a NPP re-starts, nuclear industries will gradually recover their energy.

3. We know well that target date for offering our Plan for SMiRT25 to Board / Advisory Board should be SMiRT23 at Aug.2015.

To be in time, current neck is 1 a) and b).

1 a) is out of our effort. However, I hope 1 b) may be talkable matter with you.

Beside official meeting , may we sit down with you and talk over on it?

Best Regards

Hiroshi Abe
IASMiRT Advisory Board

Q1 Candidate Organization ?A: **CRIEPI**, Japanese EPRIQ2 CRIEPI ?

A: Central Research Institute of Electric Power Industries

(Followings are in their Web Site)

- ✓ **Established in 1951** to undertake research and development activities to energy and the environment, **for the solution of various problems in electricity utilities** and the society.
- ✓ **Support organization for SMiRT11(1991) in Tokyo**
- ✓ **Fund come mainly from Japanese utilities**
 - ◀ Assets 56.8 billion yen (2013) (487 million \$)
 - ◀ Capital 26.2 ditto (2013)
 - ◀ Fund for activity 26.6 ditto (2013)
 - ◀ **Balance**
(income minus expenditure)
 - 0.03 ditto (2012)
 - 2.0** ditto (2013)
- ✓ Organization
 - ◀ Employee 808 person(2013)
 - ◀ Headquarter Tokyo (Otemachi)
 - ◀ **Research Laboratories**
 - Komae** (Suburbs of Tokyo):
Nuclear technology, System technology
 - Abiko** (ditto) :
Earth engineering;Ground, Earthquake,Tsunami,..
 - Yokosuka** (ditto) :
Material, Energy technology
- ✓ Recent topics
 - ◀ **Establish Nuclear PRA center at 2014**
Center head: J.Apostlakis (Former USNRC commissioner)
 - ◀ Set up large scale flume facility for tsunami testing at 2014
 - ◀ Leading organization of seismic base isolation in Japan

Q3 Other organization ?

A: Academia society in Japan, **AESJ**(core organization for SMiRT11) and **JASME**(core organization of ICONE) is **not positive** to be core of SMiRT25.

Currently these are operated by volunteer support by industries.

International conference hosted by them are operated in low cost way, supported by industries' volunteer work.