

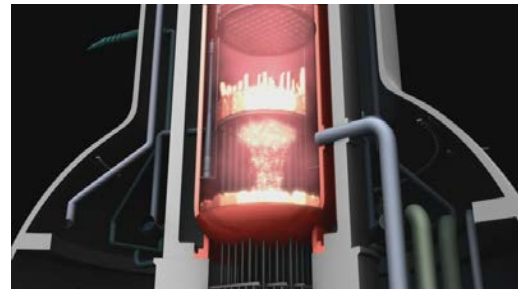


Friday, May 17, 2013 @ 14:00 – 17:30

Politecnico di Milano – Campus Bovisa, Dipartimento di Energia
Via Lambruschini, 4 - Milano
Meeting Room (ground floor)

Beyond the Fukushima nuclear power plant accident: experimental and computational activities for increasing nuclear power plant safety

The seminar is addressed to all who are interested in a thorough understanding of the nuclear accident occurred at the Fukushima site on March 11th 2011 in Japan and related research activities. The seminar will present up-to-date accident interpretation and current status of the ongoing recovery activity from the Japanese side. Thereafter international contributions to experimental and computational researches will be exposed as indicative examples of worldwide efforts in nuclear safety enhancement. The ongoing research activities represent a stimulating opportunity for students and professors eager to foster research activities in related topics, providing chances for direct discussion and technical communication.



Moderator: Dr. **Riccardo Mereu**, POLIMI

- 14:00 Prof. **Fabio Inzoli**, POLIMI (Head of Department of Energy): Welcome address
- 14.10 Prof. **Marco Ricotti**, POLIMI: Nuclear energy research at Polimi
- 14:30 Dr. **Shinya Mizokami**, TEPCO: Chronological accident description until current situation and introduction to BWR theory
- 15:00 Dr. **Masanori Naitoh**, IAE: The accident at Fukushima nuclear power station: unit 1, 2 and 3
- 15:30 Dr. **Masahiro Furuya**, CRIEPI: CFD-quality experimental database on multiphase flow
- 16:00 Prof. **Emilio Baglietto**, MIT: Experimental and CFD analysis of two-phase flow in support of the accident analysis
- 16:30 Dr. **Stephen Lomperski**, ANL: Corium/concrete interaction experiments for severe accident code validation
- 17:00 Dr. **Marco Pellegrini**, IAE: Computational study of molten core relocation
- 17:30 Refreshments