**Innovative Modular Nuclear Reactors:**

**Concept, Physics, and State-of-the-art Analysis Methods**

Application deadline
May 8, 2012

Aix-en-Provence  France

**Programme outline**

- Motivation for Innovative Modular Reactors and Technical Challenges
- Modular Water-cooled Systems for Electricity Generation, Process Heat, Sea-water Desalination, Marine Propulsion, and Other Applications
- Gas-cooled Reactors for Power Production, Heat Generation, and High-temperature Applications
- Small, Flexible, Quasi-autonomous, Liquid-metal-cooled Power Sources
- Modular, Multi-mission, Liquid-fuel Reactors
- Seminar
  SMR Technical Merits and Challenges – A US Vision and Some Lessons Learned
- Technical visits of CEA Cadarache R&D facilities

Extra-curricular and social events and an attractive weekend programme will be organized.

Full registration fees: 1800 euros.
Reduced fees: 900 euros for fellowship recipients.

Applications for participation should be submitted online through our web site www.fjohss.eu

**School Directors**
- Dr. R. Jacqmin (CEA)
- Prof. R. Stieglitz (KIT)

For information, please contact the FJOH school secretariat at: fjoh@cea.fr

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**Lecturers**

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M. Ricotti (Polimi)
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E. Bogusch (AREVA)
G. Rimpault (CEA)
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M. Pouchon (PSI)
Il Soon Hwang (Seoul Nat. Univ.)
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