



Short Course on
Severe Accident Phenomenology
23-27 October 2017
Jozef Stefan Institute (IJS), Ljubljana, Slovenia

**Organisers: IJS (Slovenia), CEA (France), CIEMAT (Spain), IRSN (France),
University of Ljubljana (Slovenia) and University of Pisa (Italy).**

**A new one-week course entitled “Severe Accident Phenomenology” is proposed by the
Technical Area 2 SARNET (Severe Accident Research NETwork of excellence) in the frame
of the NUGENIA association.**

The course will focus on disseminating the knowledge gained on severe accidents in the last two decades to Master and PhD students, young engineers and researchers recently involved in this field. It will be hosted by IJS in Ljubljana. This 7th SARNET course is a sequel to the previous recent ones in London (2013) and Stockholm (2015). The program will cover severe accident phenomenology, progression and mitigation in current water-cooled Gen.II and Gen.III Nuclear Power Plants (NPP), but also different design solutions in Gen.III NPPs. A special session will be given on the severe accidents of Fukushima-Daiichi NPP in Japan.

Lectures will be given by international experts and professors from major nuclear institutes, industries and universities working on the topic. Lecturers will be able to describe how the different plants would react during a severe accident.

The course will also include background lectures on NPP safety, severe accident scenarios and events leading, respectively, to the early and late failure of the containment.

The course will be open to university students with a discount fee. The course can contribute 3 ECTS as an advanced course for Master and PhD students (granted by the University of Ljubljana).

Organizing Committee

Ivo Kljenak (IJS) - Chair
Luis Herranz (CIEMAT)
Jean-Pierre Van Dorsselaere (IRSN)
Sandro Paci (UNIFI)
Pascal Piluso (CEA)

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Course fees:

Professionals: € 1,100

Students: € 550

The fee covers attendance of course lectures, the course material on a USB stick, coffee breaks and lunches. Travel and accommodation expenses are not included.

Accommodation: A block of rooms has been reserved (details will be available on the course home page). Participants are expected to make directly their own hotel reservation. Transport will be organised between the hotel and the course venue.

