



Announcement & call for participation

SG-FANS-3



3rd Sino-German Symposium on Fundamentals of Advanced Nuclear Safety Technology

Sept. 25-27, 2019, Xi'an, China

The main purpose of the symposium series SG-FANS (Sino-German Symposium on Fundamentals of Advanced Nuclear Safety Technology) is to maintain the platform for scientific exchange and for the generation of bilateral collaboration between the nuclear communities of both countries. The first two symposiums were held on March 8-12, 2015 in Shanghai and on September 12-15, 2017 in Karlsruhe, respectively. The 3rd SG-FANS will be held in Xi'an on September 25-27 2019 in Xi'an, China, and hosted by the Xi'an Jiaotong University (XJTU). It will call for up-to-the-minute research and engineering results from both countries in the field nuclear safety. In addition to the conventional Technical Sessions, several Topic Sessions will be organized to provide the participants the "round table discussion" opportunity with the aims to identify future R&D needs, collaboration possibilities and future actions in these individual topics. A technical tour to the nuclear safety research facilities in XJTU is included.

Topics

The symposium contains, but not limited to the following topics:

- (a) codes development and validation;
- (b) experimental techniques such as advanced measurement techniques, experimental infrastructure and data base;
- (c) severe accidents, especially IVR related phenomena and containment safety
- (d) safety features of SMRs;
- (e) advanced safety components for innovative nuclear systems;
- (f) new passive safety systems and natural circulation;
- (g) safety related phenomena such as CHF and post-CHF;
- (h) application of CFD methodology;
- (i) nuclear education and training.

For the first four topics (a) – (d), several topic sessions including round table discussion will be organized.

Xi'an is the famous ancient capital city of China with a large number of international landmarks, such as Terra-Cotta Warriors of the First Emperor, Great Wild Goose Pagoda, The Bell Tower and City Wall. We heartily welcome you to join the Symposium.

Technical Program Committee

Chair: Prof. Suizheng Qiu, XJTU, Prof. Guanghui Su, XJTU

Co-chair: Prof. Xu Cheng, KIT

Organizing Committee

Chair: Prof. Wenxi Tian, XJTU

Co-chair: Prof. Yapei Zhang, XJTU, Prof. Ronghua Chen, XJTU, Dr. Aurelian F., Badea, KIT

Registration fee

Regular participants & students: free

Important Dates

Expression of interests: ASAP

Presentation title and Abstract submission: May 15, 2019

Symposium: September 25-27, 2019

Organizing group

For expression of interests, submission of presentation titles and any further information please contact the symposium organizing group

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Fig. 1: The 2nd SG-FANS in Karlsruhe, September 2017



Figure 2: Terra-Cotta Warriors of the First Emperor is praised as “the eighth major miracle of the world”