



# 27th IEEE Symposium on Fusion Engineering

## June 4–8, 2017

Marriott Shanghai City Center  
Shanghai, China

### Sponsors:

IEEE Nuclear and Plasma Sciences Society  
Institute of Plasma Physics, Chinese Academy of Sciences  
IEEE Shanghai Branch



### SOFE-2017 Mini-courses, 4 June 2017

#### Inertial Fusion Energy

- Prof. Manuel Perlado, *Polytechnic University Madrid*

#### Plasma-Material Interactions: Fundamentals and Applications

- Prof. Daniel Andruczyk, *University of Illinois*
- Prof. Davide Curreli, *University of Illinois*

#### Stellarator Physics and Engineering

- Dr. Hutch Neilson, *Princeton Plasma Physics Laboratory*
- Prof. Hans-Stephan Bosch, *Max Planck Institute for Plasma Physics*

#### Plasma Diagnostics

- Dr. Robert Kaita, *Princeton Plasma Physics Laboratory*
- Dr. Brent Stratton, *Princeton Plasma Physics Laboratory*

#### Radiation Effects on Electronics in the Fusion Nuclear Environment

- Dr. Martin Dentan, *ITER Organization*

### Technical Program, 5-8 June 2017

- Experimental devices
- Plasma control
- Diagnostics
- Instrumentation
- Magnets
- Divertors and PFCs
- PMI and plasma edge
- Heating and current drive
- Next step devices
- DEMO and power plants
- Project management
- Systems engineering
- Materials and fabrication
- Safety and environment
- Operations
- Maintenance
- Power supplies
- Disruption mitigation
- Blankets
- Tritium breeding
- Tritium extraction
- Neutronics
- Multiphysics analysis
- Fueling and exhaust
- Vacuum pumping
- Stellarators
- Inertial fusion engineering

Visit <https://sofe2017.princeton.edu/> for more information.



Institute of Plasma Physics,  
Chinese Academy of Sciences

