



# TOFE 2016

ADVANCING THE GLOBALIZATION OF FUSION ENERGY TECHNOLOGY

The 22<sup>nd</sup> ANS Topical Meeting on the Technology of Fusion Energy

**Scope:**

TOFE will provide a forum for sharing the exciting progress made in fusion research as well as presenting future plans for national and worldwide fusion programs.

**Relevant topics include:**

**Fusion Research Facilities - MFE & IFE**

- Power plant studies
- Next step facilities - DEMO
- Alternate fusion concepts
- Fission-fusion hybrids
- Other hybrids
- Materials and Component Test Facilities

**Advanced Confinement**

- Computational tools and validation experiments
- Nuclear analysis and experiments
- Plasma material interactions
- Advanced computational techniques

**Systems Engineering**

- Power conversion
- Safety and environment
- Non-electric applications of fusion
- Plasma engineering, heating, and cooling
- Fuel handling and processing
- Diagnostics (plasma and other)

**Components**

- In-vessel components
- Divertors and high heat flux components
- Fabrication, assembly and maintenance
- Magnets

**Support Technology**

- Materials development and modeling
- Fuel cycle and breeding
- Vacuum technology
- Cryogenics
- IFE driver and chamber technology
- IFE target design, fabrication and injection
- Advanced manufacturing techniques
- 3D printing
- Astrophysics diagnostics
- Laboratory
- Plasma manufacturing



# PHILADELPHIA

August 22-25, 2016

Sheraton Society Hill

## CALL FOR PAPERS

**Organization:**

**General Chairs**  
Adam Cohen  
Susana Reyes  
Arnie Kellman

**Technical Program Chair**  
Charlie Gentile

**Publications Chair**  
Kelsey Tresemer

**Finance/Organizing Chair**  
Keith Rule

**Sponsors and Exhibits Chair**  
Alexander Nagy

**Local Organizing Committee**  
Keith Erickson

**Contact & Information:**

Web site: [tofe16.ans.org](http://tofe16.ans.org)

For more info, contact:

Publications Chair

Kelsey Tresemer

e-mail:

[ktresem@pppl.gov](mailto:ktresem@pppl.gov)

Tel: (609) 243-3481

### KEY DATES

Abstract Submission: February 15, 2016

Abstract Notification: April 15, 2016

Full Paper Submission: August 22, 2016

