



# NETS-2016 CALL FOR PAPERS

<http://anstd.ans.org/nets-2016>

## Important Dates

Conference Dates: **February 22-25, 2016**  
Abstract Submissions and Full Paper Intents Due: ~~October 30~~ **November 13, 2015**  
Abstract Reviewer Response to Submitters: **December 4, 2015**  
Corrected Abstracts Due: **December 18, 2015**  
Full Paper Submissions (optional) : **January 8, 2016**  
Full Paper Reviewer Response to Submitters: **February 12, 2016**  
Corrected Full Papers Due: **February 25, 2016 (Last Day of Conference)**



### **About the Meeting:**

On February 22-25, 2016 the Aerospace Nuclear Science and Technology Division (ANSTD) of the American Nuclear Society (ANS) in conjunction with the Universities Space Research Association (USRA) will hold the 2016 Nuclear and Emerging Technologies for Space (NETS-2016) topical meeting. The topical meeting will be held in Huntsville, Alabama. NETS-2016 is the seventh NETS conference.

### **Topic Areas:**

NASA is currently developing capabilities for robotic and crewed missions to the Moon, Mars, and beyond. Strategies that implement advanced power and propulsion technologies, as well as radiation protection, will be important in accomplishing these missions in the future. NETS serves as a major communications network and forum for professionals and students working in the area of space nuclear technology. Every year it facilitates the exchange of information among research and management personnel from international governments, industry, academia, and the national laboratory systems. To this end, the NETS-2016 meeting will address topics ranging from overviews of current programs to methods of meeting the challenges of future space endeavors.

### **Submission Requests:**

The requested submission for NETS-2016 is a 1 page abstract. Optional full papers (8-10 pages in length) may also be submitted. They will be published in formal conference proceedings following NETS-2016. Please see the online templates for format and layout guidelines. Abstracts and papers that do not hold to these guidelines will be returned to the author for reformatting. Abstracts and papers should be submitted online to the desired track for initial review; specific session assignments will be identified following the abstract review.

**Note: Please ensure submitted abstracts, full papers, and associated presentations are approved for public release.**

### **Track 1: Radioisotope Power Systems**

- Cerium Oxide as a Fuel Simulant
- Infrastructure and Capabilities
- Material or System Testing
- Nuclear Power Assessment Studies
- Power Conversion Technologies
- Power System Technologies
- Radioactive Isotope Production/Studies
- Radioisotope Power Systems

### **Track 2: Fission Power Systems**

- Power Conversion and Associated Technologies
- Reactor Analytical Studies
- Reactor Physics and Fuel
- Space Nuclear Power Programs

### **Track 3: Nuclear Thermal Propulsion**

- Project & Mission Architecture
- Reactor Design
- Engine System & Component Development
- Fuels Development
- Test Facility & Regulatory Considerations

**Note: List of subcategories is not exhaustive. Papers welcome for all relevant topics.**