

ICOPS/SOFE 2011

38th International conference on Plasma Science
and 24th Symposium on Fusion Engineering

June 26-30, 2011

Hyatt Regency McCormick Place
Chicago, Illinois, USA

First Announcement & Call for Papers

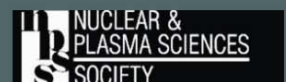


Conference Web: <https://engineering.purdue.edu/ICOPS2011/>
Email: icops2011@purdue.edu



ICOPS Conference Chair
Ahmed Hassanein
Purdue University

SOFE Conference Chair
Charles Neumeyer
Princeton Plasma Physics Laboratory



Welcome!

We cordially invite you to the 38th International Conference on Plasma Science (ICOPS) held jointly with the 24th Symposium on Fusion Engineering (SOFE) in Chicago, Illinois, USA, June 26-30, 2011.

The joint association of these two conferences follows a successful tradition of fostering of close interaction between the plasma science and fusion energy communities and provides a central gathering place for the international community of leading researchers in and plasma applications and fusion energy development.

In addition to the conference, a mini-course on Plasma-Material Interaction will be offered which will be of interest to both plasma science and fusion energy researchers.

Selected papers from both ICOPS and SOFE will be published in special issues of the IEEE Nuclear and Plasma Science Society (NPSS) journal *Transactions on Plasma Science*.

Chicago is the 3rd most populous city in the United States, with over 2.8 million living within the city limits. The city is a major hub for industry, business, finance and commerce, with O'Hare International Airport being the second busiest airport in the world. Chicago is the home of unique cultural expression in art, architecture, and the performing arts including improvisational comedy, and music, such as Chicago blues and soul. The city is also known for various culinary dishes, notably the deep-dish pizza, the Chicago-style hot dog and the Chicago-style Italian beef sandwich.

The conference venue is the [Hyatt Regency McCormick Place](#) hotel, adjacent to the McCormick Place Convention Center and just outside the hustle and bustle of Downtown Chicago.

Nearby attractions include the Navy Pier, Millennium Park, Art Institute, Shedd Aquarium, Adler Planetarium, Soldier Field, Michigan Avenue and State Street shopping, and more. Transportation is available via taxi and public transportation including the METRA system.



The organizing committee as well as the IEEE NPSS encourage you and your companions to attend ICOPS/SOFE 2011 in Chicago for a valuable technical experience and an enjoyable visit to an exciting city.

Conference Topics

- Basic Processes in Fully and Partially Ionized Plasmas
- Microwave Generation and Plasma Interaction
- Charged Particle Beams and Sources
- High Energy Density Plasmas and their Interactions
- Industrial, Commercial and Medical Applications of Plasmas
- Plasma Diagnostics
- Pulsed Power and Other Plasma Applications

ICOPS

- Experimental Devices
- Fusion Development: Pathways from science to practical fusion energy
- Plasma-Material Interface
- Neutronics, Blankets, and Shields
- Divertors, Plasma Fueling & Exhaust Processing
- Plasma Heating & Current Drive
- Magnets
- Power Supply Systems
- IFE: Drivers and Other Needed Technologies
- Diagnostics, Data Acquisition, Plasma Control and Protection
- Fabrication, Assembly, Remote Handling and Maintenance
- Safety & Environmental Engineering
- Systems Engineering, Project Management & Lessons Learned

SOFE

Abstract Deadline is Friday January 7, 2011
Abstract submission will be available on December 1, 2010 at:
<http://engineering.purdue.edu/ICOPS2011/>