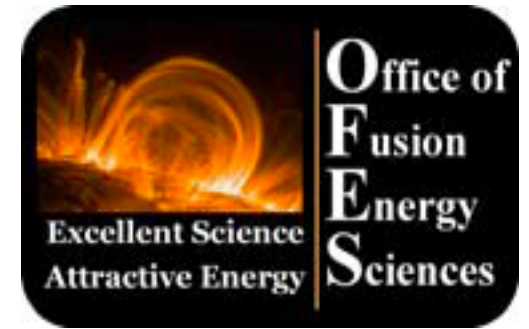




U.S. DEPARTMENT OF
ENERGY



**Fusion Energy Sciences
Advisory Committee Meeting**
Wednesday-Thursday 13-14 January 2016
Bethesda North Marriott, North Bethesda, MD

Welcome and Opening Remarks
Mark Koepke, *West Virginia University*
FESAC Chair

Announcement

In June 2015, FESAC bid farewell to 4 members, thank you for your service!

- **Bruce Cohen**, Lawrence Livermore National Laboratory
- **Robert Rosner**, University of Chicago
- **Christopher Keane**, Washington State University
- **Steve Zinkle**, University of Tennessee

FESAC welcomes 4 members whose terms will run through 2 June 2018. We look forward to your service.

- **Bob Cauble**, Lawrence Livermore National Laboratory
- **Steve Knowlton**, Auburn University (retired)
- **Kristina Lynch**, Dartmouth College
- **Brian Wirth**, University of Tennessee

To the continuing members of FESAC, thank you for your continuing service!

AGENDA, Wednesday 13 January

January 13		
Time	Topic	Speaker
8:30 a.m.	Welcome and Opening Remarks	Professor Mark Koepke, FESAC Chair West Virginia University
8:45 a.m.	Current Status of and Future Plans for ITER	Dr. Bernard Bigot, ITER Director General
10:00 a.m.	Break	
10:15 a.m.	Opening Remarks	Dr. Cherry Murray, Director Office of Science
10:20 a.m.	DOE/FES Perspective	Dr. Ed Synakowski, Associate Director for Fusion Energy Sciences
11:20 a.m.	Integrated Simulations for Magnetic Fusion Energy Sciences Workshop	Dr. Paul Bonoli Massachusetts Institute of Technology
12:05 p.m.	Lunch	

AGENDA continued, Wednesday 13 January

1:30 p.m.	Plasma Transients Workshop	Dr. Charles Greenfield General Atomics
2:15 p.m.	Plasma-Materials Interactions Workshop	Dr. Rajesh Maingi Princeton Plasma Physics Laboratory
3:00 p.m.	Break	
3:15 p.m.	Plasma Science Frontiers Workshop	Professor Fred Skiff University of Iowa
4:00 p.m.	Further Discussion on Four Workshops	TBD
5:15 p.m.	Adjourn	

AGENDA continued, Thursday 14 January

8:30 a.m.	Departmental Perspectives	Dr. Franklin Orr, Under Secretary for Science and Energy
9:15 a.m.	Motivation, Status, and Plans for NSTX-U	Dr. Jonathan Menard Princeton Plasma Physics Laboratory
10:00 a.m.	Update on DIII-D	Dr. David Hill General Atomics
10:30 a.m.	Break	
10:45 a.m.	Development of Long-Pulse Heating and Current-Drive Actuators and Operational Techniques Compatible with a High-Z Divertor and First Wall	Dr. Stephen Wukich Massachusetts Institute of Technology
11:15 a.m.	Control and Extension of ITER and Advanced Scenarios to Long Pulse in EAST and KSTAR	Dr. Paul Bonoli Massachusetts Institute of Technology
11:45 a.m.	The U.S. Collaboration on the Wendelstein 7-X Stellarator	Dr. Hutch Neilson Princeton Plasma Physics Laboratory
12:15 p.m.	Public Comment	Professor Mark Koepke
12:45 p.m.	Adjourn	

AGENDA highlight, 11:20-4pm Wednesday

FES Community Planning Workshops 2015

Ed Synakowski, FES Associate Director, has announced a set of Community Planning Workshops in the coming months that are intended to seek community engagement and input for future program planning activities. His announcement is available [here](#).

The workshops are being planned in four areas. These are listed in the table below, along with the names of the chairs and co-chairs and the federal points of contact.

Detailed information on each workshop can be found in the workshop links below.

Workshop(s)	Chair / Co-Chair	Federal POC
Integrated Simulations for Magnetic Fusion Energy Sciences	Paul Bonoli (MIT) / Lois Curfman McInnes (ANL)	John Mandrekas (FES), Randall Laviolette (ASCR)
Plasma-Materials Interactions	Rajesh Maingi (PPPL) / Steve Zinkle (U Tennessee)	Mark Foster (FES)
Transients	Chuck Greenfield (GA) / Raffi Nazikian (PPPL)	Mark Foster (FES)
Plasma Science Frontiers	Fred Skiff (U Iowa) / Jonathan Wurtele (UC Berkeley)	Sean Finnegan (FES)

FESAC Discussion 4-5:15pm Wednesday