

Public Information about the 2014 FESAC Strategic Planning (SP) Panel:  
Presentation Schedule for 3-5 June  
<https://www.burningplasma.org/activities/?article=2014%20FESAC%20Strategic%20Planning%20Panel>

Dates: 3-5 June, inclusive, 8:30am – 5:30pm  
Meeting Hotel: Gaithersburg Marriott Washingtonian Center, 301-590-0044  
9751 Washingtonian Boulevard, Gaithersburg, MD. 20878

### **Finalized Schedule on June 3,4,5**

*“Heat Fluxes, Neutron Fluences, Long Pulse Length” [i.e., Burning Plasma: Long Pulse]*  
**Tues** (12 talks):

0830 Fonck, *Perspectives on 10-Year Planning for the Fusion Energy Sciences Program*  
0900 Kessel, *Critical Fusion Nuclear Material Science Activities Required Over the Next Decade to Establish the Scientific Basis for a Fusion Nuclear Science Facility*  
0930 Abdou, *Scientific Framework for Advancing Blanket/FW/Tritium Fuel Cycle Systems towards FNSF & DEMO Readiness*  
1000 Snead *An Integrated, Component-level Approach to Fusion Materials Development*  
1030 Break  
1045 Hill, *Develop the Basis for PMI Solutions for FNSF*  
1115 Callis, *Applied Scientific Research for Blanket and Nuclear Components to Enable Design of the Next-Step BP Device*  
1145 Lunch  
1345 Zarnstorff, *U.S. strategies for an innovative stellarator-based FNSF*  
1415 Buttery, *Establishing the Physics Basis for Sustaining a High  $\beta$  BP in Steady-State*  
1445 Prater, *Optimize Current Drive Techniques Enabling S-S Operation of BP Tokamaks*  
1515 Break  
1535 Garofalo, *Leveraging International Collaborations to Accelerate FNSF Development*  
1605 Harris, *Alternatives and prospects for development of the U.S. stellarator program*  
1635 Landreman, *3D theory & computation as a major driver for advances in stellarators*

*“Astrophysical Phenomena, Plasma Control Important for Industrial Applications”*  
[i.e., *Discovery Science*]

**Wednesday** (12 talks):

- 0840 Glenzer, *High-Energy Density science at 4th generation Light Sources*  
0910 Seidl, *Heavy-Ion-Driven Inertial Fusion Energy*  
0940 Schenkel, *Discovery Science with Intense, Pulsed Ion Beams*  
1010 Break  
1030 Jarboe, *A pre-Proof-of-Principle experiment of a spheromak formed and sustained by Imposed Dynamo Current-Drive (IDCD)*  
1100 Ji, *Major Opportunities in Plasma Astrophysics*  
1130 Lunch  
1315 Petrasso, *Oppositely directed laser beams at OMEGA-EP for advancing HED Physics: A Finding & Recommendation of the Omega Laser Users Group*  
1345 Fox, *Lab astrophysics & basic plasma physics with HED, laser-produced plasmas*  
1415 Drake, R. P, *Challenges and Opportunities in High-Energy-Density Lab Plasmas*  
1445 Break  
1505 Kushner, *Science Issues in Low Temperature Plasmas: Overview, Progress, Needs*  
1535 Raiteses, *Plasma Science Associated with Modern Nanotechnology*  
1605 Donnelly, *Ignition Delays in Pulsed Tandem Inductively Coupled Plasmas System*  
1635 Kaganovich, *DoD’s Multi-Institution Collaborations for Discovery Science*

*“Discovery Science, Advanced Measurement for Validation,”* [i.e., *Discovery Science*]

**Thursday** (12 talks):

- 0840 Wurden, *Long-pulse physics via international stellarator collaboration*  
0910 Schmitz, *Development of 3-D divertor solutions for stellarators through coordinated domestic and international research*  
0940 Krstic, *Multiscale, integrated divertor plasma-material simulation*  
1010 Break  
1030 Sarff, *Opportunities and Context for Reversed Field Pinch Research*  
1100 Mauel, *Multi-University Research to Advance Discovery Fusion Energy Science using a Superconducting Laboratory Magnetosphere*  
1130 Lunch  
1315 Ji, *Importance of Intermediate-scale Experiments in Discovery Plasma Science*  
1345 Efthimion, *Office of Science Partnerships and Leveraging of Discovery Science*  
1415 Brennan, *The Role of Universities in Discovery Science in the FES Program*  
1445 Break  
1505 Whyte, *Exploiting high magnetic fields from new superconductors will provide a faster and more attractive fusion development path*  
1535 Minervini, *Superconducting Magnets Research for a Viable U.S. Fusion Program*  
1605 Parker, *RF Actuators for Steady-State Tokamak Development*  
1635 LaBombard, *A nationally organized, advanced divertor tokamak test facility is needed to demonstrate plasma exhaust and PMI solutions for FNSF/DEMO*