

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*
0905 Kessel, *Critical Fusion Nuclear Material Science Activities Required Over the Next Decade to Establish the Scientific Basis for a Fusion Nuclear Science Facility*
0940 Abdou, *Scientific Framework for Advancing Blanket/FW/Tritium Fuel Cycle Systems towards FNSF & DEMO Readiness*
1015 Break
1035 Hill, *Develop the Basis for PMI Solutions for FNSF*
1110 Garofalo, *Leveraging International Collaborations to Accelerate FNSF Development*
1145 Lunch
1300 Zarnstorff, *U.S. strategies for an innovative stellarator-based FNSF*
1335 Baylor, *Controlling & Sustainment Technologies that Enable Long-Pulse BP Science*
1410 Callis, *Applied Scientific Research for Blanket and Nuclear Components to Enable Design of the Next-Step BP Device*
1445 Break
1505 Buttery, *Establishing the Physics Basis for Sustaining a High β BP in Steady-State*
1540 Prater, *Optimize Current Drive Techniques Enabling S-S Operation of BP Tokamaks*
1615 Harris, *Alternatives and prospects for development of the U.S. stellarator program*
1650 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):

- 0830 Glenzer, *High-Energy Density science at 4th generation Light Sources*
0905 Seidl, *Heavy-Ion-Driven Inertial Fusion Energy*
0940 Schenkel, *Discovery Science with Intense, Pulsed Ion Beams*
1015 Break
1035 Jarboe, *A pre-Proof-of-Principle experiment of a spheromak formed and sustained by Imposed Dynamo Current-Drive (IDCD)*
1110 Fox, *Lab astrophysics & basic plasma physics with HED, laser-produced plasmas*
1145 Lunch
1300 Petrasso, *Oppositely directed laser beams at OMEGA-EP for advancing HED Physics: A Finding & Recommendation of the Omega Laser Users Group*
1335 Ji, *Major Opportunities in Plasma Astrophysics*
1410 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*
1540 Raiteses, *Plasma Science Associated with Modern Nanotechnology*
1615 Donnelly, *Ignition Delays in Pulsed Tandem Inductively Coupled Plasmas System*
1650 Kaganovich, *DoD’s Multi-Institution Collaborations for Discovery Science*

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

Thursday (12 talks):

- 0830 Wurden, *Long-pulse physics via international stellarator collaboration*
0905 Schmitz, *Development of 3-D divertor solutions for stellarators through coordinated domestic and international research*
0940 Krstic, *Multiscale, integrated divertor plasma-material simulation*
1015 Break
1035 Sarff, *Opportunities and Context for Reversed Field Pinch Research*
1110 Mauel, *Multi-University Research to Advance Discovery Fusion Energy Science using a Superconducting Laboratory Magnetosphere*
1145 Lunch
1300 Ji, *Importance of Intermediate-scale Experiments in Discovery Plasma Science*
1335 Efthimion, *Office of Science Partnerships and Leveraging of Discovery Science*
1410 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*
1540 Minervini, *Superconducting Magnets Research for a Viable U.S. Fusion Program*
1615 Parker, *RF Actuators for Steady-State Tokamak Development*
1650 LaBombard, *A nationally organized, advanced divertor tokamak test facility is needed to demonstrate plasma exhaust and PMI solutions for FNSF/DEMO*

