FESAC TEC Agenda, Princeton NJ, Wednesday, 7/19/17

Room: MBG Auditorium

REMOTE CONNECTION INFORMATION BELOW

Panel Executive Session 12:30

R. Maingi, A. Lumsdaine – Welcome, charge, logistics 1:00

D. Hazelton – HTS, Industry Perspective 1:15
P. Lee – High Tc superconductor 2:00

Coffee break 2:45

J. Sarrao – Materials by design, harsh environments 3:00
J. Moore (remote) – Self-healing materials 3:45
J. Hittinger – Advanced algorithms 4:30
P. Bonoli – Exascale computing 5:15
C. Wong – Different blanket options 6:00

Adjourn 6:45

Remote Connection Information for public talks in MBG Auditorium
Join from PC, Mac, Linux, iOS or Android: https://zoom.us/j/5356199734

Or iPhone one-tap (US Toll): +14086380968,5356199734# or +16465588656,5356199734#

Or Telephone:
   Dial: +1 408 638 0968 (US Toll) or +1 646 558 8656 (US Toll)
   Meeting ID: 535 619 9734
   International numbers available: https://zoom.us/zoomconference?m=PKzuM-ZI8yzpCUu0b0B46hRtXdL77UL7

Or an H.323/SIP room system:
162.255.37.11 (US West)
   162.255.36.11 (US East)
Meeting ID: 535 619 9734
FESAC TEC Agenda, Princeton NJ, Thursday, 7/20/17
Room: MBG Auditorium

Panel Executive Session 8:00

B. Garcia-Diaz – Tritium extraction from lithium 8:15
K. Vetter – Radiation hardened electronics 9:00
G. Rochau – Advanced energy conversion techniques 9:45

Coffee break 10:30

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Parallel sessions – White subpanel (MBG auditorium) https://zoom.us/j/5356199734
R. Raman – Fast Time Response Disruption Mitigation for Tokamaks 11:00
S. Wukitch – Path towards RF Sustainment of SS Fusion Reactor Plasmas 11:30

Parallel sessions – Allain subpanel (Dir. Conf. Room) https://zoom.us/j/7256959020
D. Stotler & D. Curreli – Advanced modeling 11:00
L. Holland – An integrated approach to PFC systems development for fusion nuclear devices 11:30

Parallel sessions – Greenfield subpanel (B252) https://zoom.us/j/4729286588
M. Shimada – Superpermeable Metal Foil Pump for Increasing Tritium Burn-Up Fraction for DEMO 11:00

Lunch 12:00
Panel Executive Session (closed door - Dir. Conf. Room) 1:00

Adjourn 6:00

FESAC TEC Agenda, Princeton NJ, Friday, 7/21/17

Panel Executive Session (closed door – B318) 8:30

Coffee break 10:00

Lunch 12:00

Coffee break 2:30

Adjourn 4:30

Panelists

Rajesh Maingi (PPPL) – Chair
Arnold Lumsdaine (ORNL) – Vice-Chair
Don Rej (LANL) & Steve Knowlton (Auburn – emeritus) – FESAC ex-officio members
Sam Barish (FES) – FES liaison

A. Plasma Diagnostics, Actuators, and Control (Physics and computation)
   • Anne White (MIT) – sub-panel lead
   • Luis Chacon (LANL)
   • Steve Gourlay (LBNL)
   • Bill Heidbrink (UCI)
   • David Humphreys (GA)
   • Val Izzo (UCSD)

B. Plasma Materials Interaction (Material science and engineering)
   • Jean-Paul Allain (U. Illinois) – sub-panel lead
   • Juergen Rapp (ORNL)
   • Oliver Schmitz (UW-M)
   • Chris Spadaccini (LLNL)
   • Zhehui (Jeff) Wang (LANL)
   • Brian Wirth (UT-K)

C. Reactor and Balance of Plant (Mechanical, electrical, and nuclear engineering)
   • Chuck Greenfield (GA) – sub-panel lead
   • Paul Fessler (DTE Energy)
   • Jerry Hughes (MIT)
   • Harry McLean (LLNL)
   • Jon Menard (PPPL)
   • Brad Merrill (INL)

* strike-through means not in attendance