

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

Room: MBG Auditorium

<https://www.burningplasma.org/activities/?article=FESAC%20TEC%20Panel%20Public%20Info%20Home%20Page>

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
<i>Coffee break</i>	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
<i>Adjourn</i>	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/join?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
<i>Coffee break</i>	10:30
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162.255.36.11 (US East)	
Meeting ID: 535 619 9734	
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
L. El-Guebaly – Integral Management Strategy for Fusion Radwaste: Avoiding Geologic Disposal Through Recycling and Clearance	11:30
<i>Lunch</i>	12:00

Panel Executive Session (closed door - Dir. Conf. Room)	1:00
<i>Adjourn</i>	6:00

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

Panel Executive Session (closed door – B318)	8:30
<i>Coffee break</i>	10:00
<i>Lunch</i>	12:00
<i>Coffee break</i>	2:30
<i>Adjourn</i>	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