FESAC TEC Agenda, Chicago, IL, Tuesday, 6/20/17
Room: Sheraton 1

https://www.burningplasma.org/activities/?article=FESAC_TEC

REMOTE CONNECTION INFORMATION BELOW

Panel Executive Session **1:00**

Registration and badges **1:30**

R. Maingi, A. Lumsdaine, S. Barish, J.P. Allain – Welcome, charge, logistics **2:00**

P. Seidl (Invited) – Accessing the multi-scale and time-resolved dynamics of radiation-induced defects in materials in support of PMI research for fusion **2:20**
Y. Wang – New Irradiation Capabilities for Fusion Materials R&D **3:00**
D. Ruzic – The Case for a Liquid Lithium-Surface Divertor **3:30**

Coffee break **4:00**

M. Jaworski – Use of slowly-flowing, liquid lithium targets as a transformative technology to enable fusion energy **4:30**
D. Majeski – Mitigation of scrape-off layer power flow with lithium plasma-facing surfaces **5:00**
E. Kolemen – Fast Flowing Liquid Metal Technology for Fusion Reactor Divertor **5:30**
B. Williams (remote) – Self-Healing Liquid Metal Protection System for Plasma-Facing Components **6:00**

Adjourn **6:30**

Remote Connection Information
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, Chicago, IL, Wednesday, 6/21/17
Room: Sheraton 1
https://www.burningplasma.org/activities/?article=FESAC_TEC

R. Dehoff (Invited) – Additive Manufacturing **9:00**
M. Wang (Invited) – Additive Manufacturing **9:40**
Y. Katoh – Advanced Manufacturing for Fusion PFC and Blanket Materials **10:20**

Coffee break **10:50**

C. Henager – Plasma-Facing Materials by Design and Rapid Prototyping via Additive Manufacturing **11:20**
R. Nygren – Additive Manufacturing **11:50**

Lunch **12:20**

D. Youchison (remote) – Advanced cooling technologies through additive manufacturing **1:50**
Q. Jia (Invited) – Fabrication of high temperature superconducting wires with desired current carrying capability for fusion magnets **2:20**
E. Martinez – Advanced Materials Design for Fusion Applications **3:00**

Coffee break **3:30**

Y. Katoh – Emerging high temperature materials for potential application to fusion **4:00**
B. Williams (remote) – Ultrahigh Heat Flux Helium-Cooled Divertor Incorporating a Foam Core Heat Exchanger **4:30**
B. Uberuaga (invited) – Computational materials modeling **5:00**

Adjourn **6:00**

FESAC TEC Agenda, Chicago, IL, Thursday, 6/22/17
Room: Sheraton 1

https://www.burningplasma.org/activities/?article=FESAC_TEC

B. LaBombard – Long-leg divertors with secondary x-points: a potential solution for divertor heat flux and PMI challenges - aided by the development of demountable HTS magnets **9:00**

H.Y. Guo – Development of Advanced Divertor Concepts for Steady-State Advanced Tokamaks **9:30**

D. Brunner – Developing a reactor power exhaust solution by testing advanced divertors in a compact, divertor test tokamak **10:00**

Coffee break **10:30**

S. Malloy (Invited) – Development of Radiation tolerant Ferritic Steels for Fusion Applications **11:00**

Lunch **11:40**

Panel Executive Session (closed door) **1:00**

Adjourn **4:00**

Registered Panelists

Rajesh Maingi (PPPL) – Chair
Arnold Lumsdaine (ORNL) – Vice-Chair
D. Rej (LANL) – FESAC ex-officio member - remote
S. Knowlton (Auburn – emeritus) – FESAC ex-officio member - remote
Sam Barish (FES) – FES liaison - remote
Jean-Paul Allain (UI-UC) – PMI sub-panel lead
Juergen Rapp (ORNL)
Oliver Schmitz (UW-Madison)
Chris Spadaccini (LLNL)
Zhehui (Jeff) Wang (LANL)
Brian Wirth (UT-K)