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

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker(s)</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00</td>
<td>R. Dehoff (Invited)</td>
<td>Additive Manufacturing</td>
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<tr>
<td>9:40</td>
<td>M. Wang (Invited)</td>
<td>Additive Manufacturing</td>
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<tr>
<td>10:20</td>
<td>Y. Katoh</td>
<td>Advanced Manufacturing for Fusion PFC and Blanket Materials</td>
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<td>10:50</td>
<td><strong>Coffee break</strong></td>
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<tr>
<td>11:20</td>
<td>C. Henager</td>
<td>Plasma-Facing Materials by Design and Rapid Prototyping via Additive Manufacturing</td>
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<tr>
<td>11:50</td>
<td>R. Nygren</td>
<td>Additive Manufacturing</td>
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<tr>
<td>12:20</td>
<td><strong>Lunch</strong></td>
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<tr>
<td>1:50</td>
<td>D. Youchison (remote)</td>
<td>Advanced cooling technologies through additive manufacturing</td>
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<tr>
<td>2:20</td>
<td>Q. Jia (Invited)</td>
<td>Fabrication of high temperature superconducting wires with desired current carrying capability for fusion magnets</td>
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<tr>
<td>3:00</td>
<td>E. Martinez</td>
<td>Advanced Materials Design for Fusion Applications</td>
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<tr>
<td>3:30</td>
<td><strong>Coffee break</strong></td>
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<tr>
<td>4:00</td>
<td>Y. Katoh</td>
<td>Emerging high temperature materials for potential application to fusion</td>
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<tr>
<td>4:30</td>
<td>B. Williams (remote)</td>
<td>Ultrahigh Heat Flux Helium-Cooled Divertor Incorporating a Foam Core Heat Exchanger</td>
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<tr>
<td>5:00</td>
<td>B. Uberuaga (invited)</td>
<td>Computational materials modeling</td>
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<tr>
<td>6:00</td>
<td><strong>Adjourn</strong></td>
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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


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)