

## PEP TG Agenda, IPR, Wednesday 3/16/16

<http://www.ipr.res.in/itpa-2016/index.html>

(Remote connection AND BUS PICKUP information follows at end)

Welcome from IPR Director - India program and activities – <b>SEMINAR HALL</b>	9:00
Welcome (Maingi, Urano, Huijsmans, S. Banerjee)	<b>9:20</b>
<b><u>Opening Session (Chair: R. Maingi, Committee Room 4)</u></b>	
S. Bannerjee: Summary of IPR activities in PEP area	9:30
P. Snyder – Pedestal structure WG report and discussion (remote - 12.5 hours)	9:45
Coffee	<b>10:45</b>
<b><u>Site tour</u></b>	<b>11:00</b>
<b>Lunch</b>	<b>12:00-1:00</b>
<b><u>Pedestal Physics Session (Chair: H. Urano, Committee Room 4)</u></b>	
A. Loarte: ITER perspective and R&D needs	1:00
R. Hager: Non-local bootstrap current physics in the H-mode pedestal	1:25
D. Bannerjee: Modeling of NSTX lithium ELM experiments	1:50
H. Wilson: Extensions of ELITE to low toroidal mode number	2:15
E. Wolfrum: Influence of particle reflection coefficient on edge density profiles (remote – 4.5 hours)	2:40
Coffee	<b>3:10</b>
<b><u>I-mode session (Chair: J. Rice (remote); joint with T&amp;C, SEMINAR HALL)</u></b>	
F. Ryter - I-mode studies in AUG: LI transition, confinement (remote – 4.5 hours)	3:40
T. Happel – Turbulence intermittency in the confinement region of I-mode plasmas in the AUG tokamak (remote – 4.5 hours)	4:05
I. Cziegler - Recent advances in understanding the I-mode regime (remote – 9.5 hours)	4:30
A. Hubbard – Recent C-Mod results, multi-machine comparisons and proposed next joint Activities (remote – 9.5 hours)	4:55
Z.X. Liu – I-mode simulations with the BOUT++ code (remote – 9.5 hours)	5:20
Discussion	5:45
<b>Adjourn</b>	<b>6:00</b>

## PEP TG Agenda, IPR, Thursday 3/17/16

<http://www.ipr.res.in/itpa-2016/index.html>

(Remote connection information follows at end)

### **L-H Transition Session: (Chair: G. Staebler, Joint w/T&C, SEMINAR HALL) 9:00**

**Z. Yan** – turbulence changes at the LH transitions with q and density (remote – 12.5 hrs) 9:00

**D. Eldon** - Turbulence characteristics of H-L back transitions on DIII-D (remote – 12.5 hrs) 9:25

**P. Gohil** - new data on turbulence basis of the isotope scaling of the LH threshold 9:50  
Discussion 10:15

**Coffee break 10:30**

### **LH, ELMs, and SOL/div Session (Chair: G. Huijsmans, Committee Room 4)**

**X. Xu** – Nonlinear dynamics of ELMs with  $E_r$  shear and collisionality trends (remote – 12.5 hours) 11:00

**S. Banerjee** – Observation of quasi-coherent edge fluctuations and L-H transitions dynamics in NSTX ohmic plasmas 11:25

**J-W. Ahn** - ELM heat flux profile behavior and comparison to MHD modeling of ELM bursts in NSTX and DIII-D 11:50

**A. Pankin** – Progress towards SOL transport modeling using the NIMROD code 12:15

**Lunch 12:40-2:00**

### **L-H Transition Session: (Chair: G. Staebler, Joint w/T&C, SEMINAR HALL) 2:00**

**J. Hillesheim** – Fine structure of the  $E_r$  well (remote – 5.5 hrs) 2:00

**C. Maggi** - Impact of low-Z impurities on L-H threshold in JET (remote – 5.5 hrs) 2:25

**E. Delabie** - Overview of the JET-ILW L-H threshold database (remote – 5.5 hrs) 2:50

**A. Loarte**: Modeling of the JET plasma behavior following the H-mode transition in ITER and comparison with JET 3:10

**C.S. Chang**: Edge transport bifurcation from turbulence and neoclassical dynamics in the full-f gyrokinetic code XGC1 (remote – 9.5 hours) 3:35

Discussion 4:00

**Coffee break 4:30**

### **Pellet ELM pacing session (Chair: S. Banerjee, Committee Room 4)**

**A. Bortolon**: preliminary impurity granule study in D3D (by R. Maingi) 4:45

**L. Baylor** – Pellet ELM pacing WG report and discussion (remote – 9.5 hours) 5:10

**Adjourn 6:00**

**Group dinner: Joint with T&C 7:00**

## PEP TG Agenda, IPR, Friday 3/18/16

<http://www.ipr.res.in/itpa-2016/index.html>

(Remote connection information follows at end)

### **3D effects on transport: (Chair: M. Jakubowski/T. Evans, Joint w/T&C, SEMINAR HALL)**

T. Evans – Introduction (remote – 12.5 hours)	9:00
M. Shafer – Measurements of magnetic island stability, transport and turbulence (remote – 12.5 hours)	9:15
P. Gohil – Influence of RMPs on L-H transition at DIII-D (remote – 12.5 hours)	9:40
C. Hidalgo – 3D effects on L-H transition in stellarators	10:05

**Coffee break** **10:30**

### **Closing Session: (Chair: R. Maingi, Committee Room 4)**

R. Nazikian - RMP ELM suppression in high beta poloidal plasmas on DIII-D (remote – 12.5 hours)	10:45
M. Fenstermacher – RMP WG Report and Discussion (remote – 12.5 hours)	11:10
R. Singh – Enhancement of high-k Fluctuations by External Magnetic Field Perturbations in edge Pedestal	12:00
H. Urano – Dependence of the pedestal structure on collisionality at fixed beta in JT-60U	12:25
R. Maingi – final discussion and next meeting	12:50

**Adjourn** **1:00**

#### **Note:**

**All Pedestal sessions are in Committee Room 4**

**All T&C sessions are in Committee Room 3**

**All joint sessions are in the SEMINAR HALL**

#### **Bus pickup information:**

Participants staying in Hotel Pristine; Pick up Place is in front of the hotel; Time: 08:00 to 08:05 AM

Participants staying in The Gateway Hotel Ummed: Pick up place is in front of the hotel; Time: 08:10 to 08:15 AM

Participants staying in Hotel Narayani: Pick up place is in front of the hotel's outer gate; Time: 08:25 to 08:30 AM

Reaching IPR at 08:40 AM. Some time will be required at IPR's gate on first day.

## Remote connection information – EFDA TV

SUMMARY for Channel 7 / 16Mar2016: ITPA pedestal meeting:

Presentation: <https://tv.euro-fusion.org/channel7/home>

Presentation Password: ITPAped

Video-conference nr. (H.323): 004910097920067

ISDN: [+49-30-2541080](tel:+49-30-2541080) or [+49-711-6330190](tel:+49-711-6330190) (ConferenceID = 97920067) followed by an # (hash symbol)

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### VIDEOCONFERENCE DETAILS

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If using a H.323 video-conference device, registered to an E.164 compliant gatekeeper, call the E.164 number:

004910097920067

If using a H.323 video-conference device NOT registered to an E.164 compliant gatekeeper (called URI dial), the syntax depends on your vendor as shown below:

ConferenceID = 97920067

LifeSize: 194.95.240.2##ConferenceID

Mirial: [ConferenceID@mcu.vc.dfn.de](mailto:ConferenceID@mcu.vc.dfn.de)

Polycom: [mcu.vc.dfn.de##ConferenceID](tel:mcu.vc.dfn.de##ConferenceID)

Sony: 194.95.240.2#ConferenceID

Tandberg: [ConferenceID@mcu.vc.dfn.de](mailto:ConferenceID@mcu.vc.dfn.de)

VCON: n.a.

Further technical details and help can be found here

<http://vcc.zih.tu-dresden.de/index.php?linkid=11100>

and here

<https://www.vc.dfn.de/en/video-conferencing/ways-of-access/h323.html>

For ISDN VC systems and phones please use the DFNVC - ISDN/IP gateway as follows:

Dial with any phone one of the two German telephone numbers:

[+49-30-2541080](tel:+49-30-2541080) or [+49-711-6330190](tel:+49-711-6330190)

wait a second until you are asked to enter the conference ID

97920067 followed by an # (hash symbol).

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### ACCESS TO THE WEB BASED CONFERENCE CONTROL

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Now each partner having dialled in individually shows up in the list of participants on the MCUs admin page. This page can be accessed only by one person.

For the admin: Click on the following link:

<https://www.vc.dfn.de/de/konferenzen/steuerung.html>

enter the conference ID: 97920067 and the password: 2006