

## Agenda for 16th Transport and Confinement Topical Group Meeting IPR, Ahmedabad, India: 16-18 March 2016

IPR, Ahmedabad, India  
More details on website

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

Videoconference: EFDATV channel 3

Presentations: <https://tv.euro-fusion.org/channel3/home>

Presentation Password: ITPA

Video-conference nr. (H.323): 004910097920063

ISDN: +49-30-2541080 (ConferenceID = 97920063)

### Wednesday 16 March 2016

Start	Duration	Speaker	Topic/title	
			<b>Joint Opening Seminar hall</b>	
09:00	00:20	IPR Director	Welcome and highlights of IPR activity	
			<b>Opening T&amp;C Chair A.Loarte Committee Room #3</b>	
09:20	00:10	P.Mantica	News from the ITPA CC meeting	
			<b>Update on first results of ITER database revision Chair S.Kaye (remote) Committee Room #3</b>	
09:30	00:20	A.Loarte	ITER considerations regarding the development of an energy scaling law for ITER	US East 00 AM 16th March
09:50	00:20	C.Angioni / S.Kaye (remote)	Recent progress in the work of updating the ITER H-mode database	
10:10	00:20	M.Romanelli	Dependence of confinement on ne_sep and ne_SOL in JET	
10:30	00:30		Coffee	
11:00	00:20	G.Staebler	Identification of a set of scaling parameters from theory	
11:20	00:20	G.Verdoolaege (remote)	Analysis of the old database with new regression techniques	
11:40	00:20		Discussion	
12:00	01:00		Lunch	
			<b>low Z impurity transport (TC-11) Chair C.Angioni Committee Room #3</b>	
13:00	00:25	B. Grierson (remote)	Update on impurity transport in DIII-D	US West 00:30 AM 16 March
13:25	00:25	P. Manas(remote)	Combined analysis of light impurity transport in AUG and JET	EU 8:55 AM
13:50	00:25	N.Bonanomi(remote)	Analysis and GK modelling of light impurities in JET L-mode plasmas with ILW	
14:15	00:25	S. Henderson(remote)	Impurity transport studies on MAST	
14:40	00:30		Discussion	
15:10	00:30		Coffee	
			<b>I-mode Chair: J.Rice (remote) joint with PEP Seminar hall</b>	
15:40	00:25	F.Ryter(remote)	I-mode studies in AUG; L-I transition and confinement	EU 11:10 AM
16:05	00:25	T.Happel(remote)	Turbulence intermittency in the confinement region of I-mode plasmas in the AUG tokamak	
16:30	00:25	I. Cziegler(remote)	Recent advances in understanding the I-mode regime	
16:55	00:25	A.Hubbard(remote)	Recent C-Mod results, multi-machine comparisons and proposed next joint activities	US East 7:25 AM
17:20	00:25	Z.Liu(remote)	I-mode simulations by the BOUT++ code	US East 7:50 AM
17:45	00:30		Discussion	
18:15			Adjourn	

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**Thursday 17 March 2016**

Start	Duration	Speaker	Topic/title	
			<b>L-H transition. 1st part Chair: G.Staebler joint with PEP Seminar hall</b>	
09:00	00:25	Zheng Yan (remote)	turbulence changes at the LH transitions with q and density	US West 8:30 PM 16 March
09:25	00:25	David Eldon(remote)	Turbulence characteristics of H-L back transitions on DIII-D	
09:50	00:25	Punit Gohil	new data on the turbulence basis of the isotope scaling of the LH threshold	
10:15	00:15		Discussion	
10:30	00:30		Coffee	
			<b>p* scaling of intrinsic torque (TC-17) Chair T.Tala Committee Room #3</b>	
11:00	00:20	C. Chrystal (remote)	$\rho^*$ scaling of intrinsic torque on DIII-D	US West 10:30 PM 16 March
11:20	00:20	T.Tala	$\rho^*$ scaling of intrinsic torque on AUG	
11:40	00:20	A.Salmi(remote)	$\rho^*$ scaling of intrinsic torque on JET	EU Finland 8:10 AM
12:00	00:20	Jae-Min Kwon	Nonlocal transport and intrinsic rotation reversal on KSTAR	
12:20	00:20	M.Barnes(remote)	modelling intrinsic rotation in JET	UK 6:50 AM
12:40	00:20		Discussion	
13:00	01:00		Lunch	
			<b>L-H transition. 2nd part Chair: G.Staebler joint with PEP Seminar hall</b>	
14:00	00:25	Jon Hillesheim (remote)	fine structure of the Er well	UK 8:30 AM
14:25	00:25	CF Maggi(remote)	Impact of low-Z impurities on the L-H threshold in JET	
14:50	00:20	E.Delabie (remote)	Overview of the JET-ILW L-H threshold database	
15:10	00:25	A. Loarte	Modelling of the plasma behaviour following the H-mode transition in ITER and comparison with JET	
15:35	00:25	C. S. Chang	Edge transport bifurcation from turbulence and neoclassical dynamics in the full-f gyrokinetic code XGC1	
16:00	00:30		Discussion	
16:30	00:30		Coffee	
			<b>Modelling Chair J.Ghosh Committee Room #3</b>	
17:00	00:25	J.Citrin	Update on QualiKiz	
17:25	00:20	Omkar Myatra	gyrokinetic (GS2) stability studies of the US FNSF fusion device design	
17:45	00:15		discussion	
18:00			Adjourn	
19:00 Social Dinner Joint with PEP				

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**Friday 18 March 2016**

Start	Duration	Speaker	Topic/title
			<b>3D effects on transport Joint with PEP Chair M.Jakubowski/T.Evans Seminar hall</b>
09:00	00:15	T.Evans (remote)	Introduction
09:15	00:25	M.Shafer(remote)	Measurements of magnetic island stability, transport and turbulence
09:40	00:25	P. Gohil	Influence of RMPs on L-H transition at DIII-D
10:05	00:25	C.Hidalgo	3D effects on L-H transition in stellarators
10:30	00:30		Coffee
11:00	00:25	A.Zocco	Stabilization of the electrostatic ion-temperature-gradient driven instability in non-axisymmetric geometry
11:25	00:25	W.Suttrop(remote)	Effect of torque input and electron to ion heating on pedestal and core plasma transport for RMP and nRMP for two triangularities
11:50	00:30		Discussion
12:20	01:00		Lunch
			<b>Preparation of next meeting Chair P.Mantica Committee Room #3</b>
13:20	00:20	C.Angioni	Status of validation of fuel particle/electron transport models in conditions relevant to ITER DT scenarios
13:40	00:20	A.Polevoi	Benchmark activity of particle transport modelling within IOS
14:00	00:20	C.Hidalgo	Discussion on possible work on isotope dependences of confinement in view of IOS requests
14:20	00:20	J.Citrin	Discussion on how to organize joint session with IOS on neural network modelling
14:40	00:20		Discussion on possible other topics for Fall meeting
15:00	00:30		Coffee
			<b>Closing session. Chair J.Ghosh Committee Room #3</b>
15:30	01:00	Session Chairs	Conclusions out of sessions and lists of actions
16:30	00:10	P.Mantica	Final remarks
16:40	00:50		site tour
17:30			Adjourn

US West 8:30 PM  
17 March

7 AM EU