

Session Program

26-29 Jan 2026

37th meeting of the ITPA Divertor and Scrape-Off-Layer Topical Group meeting

Day 3

Zoom

Wednesday 28 January

08:25

Day 3: PEP-DSOL-1

Session | Location: Zoom

08:25–08:30 **PEP-DSOL-1 intro**

Speaker

Michael Faitsch

08:30–08:45

Turbulence Simulations of the Quasi-Continuous Exhaust (QCE) regime

Speaker

Kaiyu Zhang

08:45–09:00

Increased edge particle transport near H-mode density limits on Alcator C-Mod and ASDEX Upgrade

Speaker

Andrés Miller

09:00–09:15

AUG: Density shoulder in QCE

Speaker

Jessica Stobbs

09:15–09:30

Exploring the transition from continuous turbulence fluctuations to bursting ELMs in high SOL density regimes

Speaker

Nami Li

09:30–09:45

Pedestal and SOL turbulence behaviors in H-mode detached plasma with small ELMs on the HL-2A tokamak

Speaker

Ting Wu

09:45–10:00

Simulation of simultaneous detachment/ELM mitigation due to neon injection within Edge Plasma Coupling Simulation framework

Speaker

Shifeng Mao

10:05

10:05

10:30

10:50

Day 3: PEP-DSOL-1 Discussion

Session | Location: Zoom | Convener: Michael Faitsch

Day 3: DSOL-51

Session | Location: Zoom

10:50–10:55 **DSOL-51 intro**

Speaker

Klaus Schmid

10:55-11:10

W transport in neon-seeded ELM-free H-mode using ERO2.0/JINTRAC**Speaker**

Henri Kumpulainen

11:10-11:25

WEST for edge tungsten transport**Speaker**

Nicolas Fedorczak

11:25-11:40

SOLEEDGE HDG modeling of WEST limiter startup**Speaker**

Ivan Kudashev

11:40-11:55

W/Ni erosion and migration in JET limiter configurations**Speaker**

Pyy Virtanen

11:55

11:55

Day 3: DSOL-51 Discussion**Session** | **Location:** Zoom | **Convener:** Klaus Schmid

12:15

13:05

Day 3: Special Session on Coatings and Alloys**Session** | **Location:** Zoom

13:05-13:10

Introduction**Speaker**

Tom Wauters

13:10-13:25

ITER TFW and W coating qualification**Speaker**

Takeshi Hirai

13:25-13:40

Development and qualification of thin W coatings on Inconel for COMPASS-U PFC**Speaker**

Renaud Dejarnac

13:40-13:55

IPP Garching development CS coating + experience with W heavy alloy.**Speaker**

Rudolf Neu

13:55-14:10

Testing of ITER TFW tiles on WEST**Speaker**

Marianne Richou

14:10

14:10

Day 3: Discussion Special Session Coatings and Alloys**Session** | **Location:** Zoom | **Convener:** Tom Wauters

14:40

14:40

Day 3: DSOL-50**Session** | **Location:** Zoom14:40-14:45 **DSOL-50 intro****Speaker**

Wouter Tierens

14:45-15:00 **low-density experiments in WEST****Speaker**

Dr laurent COLAS

15:00-15:15 **RF-specific impurities in AUG****Speaker**

Volodymyr Bobkov

15:15-15:30 **Modeling erosion and redeposition with GTR****Speaker**

Atul Kumar

15:30

15:30

Day 3: Discussion DSOL-50**Session** | **Location:** Zoom | **Conveners:** Wouter Tierens, tbc

15:50

16:10

Day 3: DSOL-34**Session** | **Location:** Zoom16:10-16:15 **DSOL-34 intro****Speaker**

Nicola Vianello

16:15-16:30 **Unified scaling for farSOL density decay in JET H-mode discharges****Speaker**

Christian Perez von thun

16:30-16:45 **SOL flow measurements and model validation****Speaker**

Richard Ducker

16:45-17:00

Enhanced Turbulent Transport and Drift Suppression in Divertors at the Detachment Onset**Speaker**

Rabel Rizkallah

17:00

17:00

Day 3: DSOL-34 Discussion**Session** | **Location:** Zoom | **Convener:** Nicola Vianello

17:20

17:20

Day 3: T&C-DSOL session proto-cross-TG**Session** | **Location:** Zoom

17:20-17:35

Towards reduced transport models in the SOL: state of the art and future perspectives

	<div> <div>Speaker</div> <div>Maurizio Giacomini</div> </div>
	<div> <div>17:35-17:50</div> <div>A Pre-trained Variational Autoencoder-based Surrogate Model for Plasma Turbulence</div> <div> <div>Speaker</div> <div>M. Yang</div> </div> </div>
	<div> <div>17:50-18:05</div> <div>SOLPS-NN and coupling to JINTRAC</div> <div> <div>Speaker</div> <div>Stefan Dasbach</div> </div> </div>
	<div> <div>18:05-18:20</div> <div>From UEDGE to DivControlINN: Surrogate Modeling of SOL/Divertor States for Detachment and Transport Studies</div> <div> <div>Speaker</div> <div>Xueqiao Xu</div> </div> </div>
<div> <div>18:20</div> <div>18:20</div> <div>18:40</div> </div>	<div> <div>Day 3: T&C-DSOL Discussion</div> <div> <div>Session</div> <div>Location: Zoom</div> <div>Convener: Alessandro Bortolon</div> </div> </div>