

Session Program

17-22 May 2026



27th PSI Conference
Regensburg 2026

27th PSI

Invited Talk

marinaforum REGENSBURG

Monday 18 May

10:40

Invited Talk: Morning session

Session

10:40–11:10

I1 Erosion and Screening of Tungsten in the JET divertor during inter/intra-ELM Periods in DT Ne-seeded plasma

Speaker

Alexander Huber

11:10

11:50

Invited Talk: Morning session

Session

11:50–12:20

I2 Tungsten neoclassical temperature screening in the periphery of ASDEX Upgrade plasmas

Speaker

Athina Kappatou

12:20

13:20

Invited Talk: Afternoon session

Session

13:20–13:50

I3 Physics basis and status of the ITER tungsten First Wall

Speaker

Richard Pitts

13:50

14:50

Invited Talk: Afternoon session

Session

14:50–15:20

I4 Evaluating the dominant tungsten erosion source during limiter start-up on ASDEX Upgrade

Speaker

Jörg Hobirk

15:20–15:50

I5 Kinetic effects on tungsten impurity transport and divertor leakage mechanisms under different divertor conditions

Speaker

Dr Hui Wang

15:50

Tuesday 19 May

08:40

Invited Talk: Morning session

Session

08:40–09:10

I6 Overview of plasma wall interactions in the new high particle fluence campaign of WEST operated with cold divertor plasma conditions

Speaker

Jonathan Gaspar

09:10

10:20

Invited Talk: Morning session

Session

10:20–10:50

I7 Energy Balance and Surface Diagnostics of Runaway Electron Beam Termination in the TCV Tokamak

Speaker

Marta Pedrini

10:50

11:50

Invited Talk: Morning session

Session

11:50–12:20

I8 Heat and impurity ion fluxes on the ITER first wall at high far SOL transport in ITER burning plasmas

Speaker

Srikanth Sureshkumar

12:20

13:20

Invited Talk: Afternoon session

Session

13:20–13:50

I9 Validation of high-fidelity physics improvement in SOLPS-ITER for detached JET-ILW L-mode hydrogenic plasmas

Speaker

Ray Chandra

13:50–14:20

I10 Overview of Divertor and SOL Physics Results Following the Installation of the Tungsten Divertor in KSTAR

Speaker

Hyungho Lee

14:20

15:00

Invited Talk: Afternoon session

Session

15:00–15:30

I11 Comparative study of divertor detachment and tungsten screening in deuterium and helium plasmas on EAST

Speaker

Rui Ding

15:30–16:00

I12 Dynamics of the X-point radiator formation in the WEST tokamak

Speaker

Dr Hao YANG

16:00

Wednesday 20 May

08:40

Invited Talk: Morning session Session

08:40–09:10 **I13 An Overview of Divertor Research in LHD**

Speaker
Gen Motojima

09:10

10:20

Invited Talk: Morning session Session

10:20–10:50 **I14 Divertor dynamics of pellet-fueled discharges in DIII-D**

Speaker
Sophie Gorno

10:50

11:10

Invited Talk: Morning session Session

11:10–11:40 **I15 Plasma-Neutral Interactions and Atomic Processes in Detached Divertors under High-Density Transient Pulses**

Speaker
Yuki Hayashi

11:40

Thursday 21 May

09:00

Invited Talk: Morning session

Session

09:00–09:30 **I16 Hydrogen co-deposition with fusion-relevant materials**

Speaker

Stepan Krat

09:30

10:20

Invited Talk: Morning session

Session

10:20–10:50

I17 X-point radiation stability, operational space and performance impact in DIII-D H-mode discharges

Speaker

Filippo Scotti

10:50

13:10

Invited Talk: Afternoon session

Session

13:10–13:40

I18 Performance enhancement through real time wall conditioning and profile modification : A cross configurational analysis of Impurity Powder Dropper Experiments

Speaker

Robert Lunsford

13:40–14:10

I19 Effects of low-Z powder injection on wall recycling, impurity content, and ELM behavior in KSTAR with a W divertor

Speaker

Hanna Schamis

14:10

14:30

Invited Talk: Afternoon session

Session

14:30–15:00

I20 Comparing the effectiveness of non-uniform and uniform glow-discharge boronisation in full-tungsten devices in support of ITER

Speaker

Sehoon An

15:00–15:30

I21 Efforts for H-mode plasma achievement without low-Z material coating in EAST with full metal walls

Speaker

Dr Jiansheng hu

15:30

Friday 22 May

09:00

Invited Talk: Morning session

Session

09:00–09:30

I22 Physics basis of stationary power exhaust in the X-Point Target divertor configuration

Speaker

Massimo Carpita

09:30

13:20

Invited Talk: Afternoon session

Session

13:20–13:50

I23 Filamentary transport in Quasi-Continuous Exhaust and detached X-Point Radiator regime simulations

Speaker

Wladimir Zholobenko

13:50

14:30

Invited Talk: Afternoon session

Session

14:30–15:00

I24 Near scrape-off layer decay lengths in D, T and DT plasmas on JET

Speaker

Peter John Ryan

15:00