

## Poster Session

The dedicated poster session is on Tuesday, 14:00-16:00, but posters can stay up through Thursday. The poster boards have dimension 1.25m (height) by 1.22m (width). There is room for additional posters and any speaker that would like to put up a poster too is welcome to do so.

- (P) **Agraj Abhishek, Institute for Plasma Research, Gandhinagar, India:** [Helium diffusion across grain boundary in ferrous-chromium alloy: a first principle molecular dynamics study.](#)
- (P) **Rebecca Alexander, SRMP, CEA Saclay, France:** [Ab initio based modelling of the energetics of nanometric interstitial clusters in Fe and W.](#)
- (P) **Ivan Cernusák, Comenius University, Bratislava, Slovak Republic:** [Molecular properties of neutral and charged CsH species in the context of the heating and current drive systems.](#)
- (P) **Charu Lata Dube, Institute for Plasma Research, Gandhinagar, India:** [Positron annihilation lifetime measurement and X-ray analysis on energetic heavy ion beam irradiated polycrystalline tungsten.](#)
- (P) **Jerome Guterl, University of California, San Diego, CA, USA:** [Effects of hydrogen surface processes on hydrogen retention in plasma facing components.](#)
- (P) **Etienne Hodille, CEA Cadarache, France:** [Macroscopic rate equations modeling of trapping and retrapping of hydrogen isotopes in W materials.](#)
- (P) **Juri Igitkhanov, Karlsruhe Institute of Technology, Germany:** [Impact of transient events on DEMO PFC.](#)
- (P) **Peter Klaver, DIFFER, The Netherlands:** [Atomistic simulations using molecular dynamics and lattice kinetic Monte Carlo of tungsten surface under helium ion irradiation.](#)
- (P) **Bérengère Marie Lüthi, SRMP, CEA Saclay, France:** [Ab initio modeling of the dislocation-carbon interaction in ferritic steels.](#)
- (P) **Dmitry Matveev, FZJ, Jülich, Germany:** [Reaction-diffusion based modelling of hydrogen retention in Be and W.](#)
- (P) **Martin de Jesus Nieto-Perez, Instituto Politécnico Nacional CICATA Querétaro, Mexico:** [Software engineering strategies for fast development and growth of fusion modeling tools.](#)
- (P) **Jussi Polvi, University of Helsinki, Finland:** [Development of interatomic potential for W-N-H system.](#)
- (P) **Jack Wells, ORNL, Oak Ridge, TN, USA:** [Retention of deuterium and helium in monocrystal of tungsten.](#)

(Additional posters from invited speakers:)

- (P) **J. S. Wrobel, D. Nguyen-Manh, M. Yu. Lavrentiev, M. Ganchenkova and S. L. Dudarev:** [First-principles and Monte-Carlo modelling of phase stability and point defects in ternary Fe-Cr-Ni alloys.](#)
- (P) **T. Suzudo and M. Yamaguchi:** [He embrittlement at grain boundary of bcc transition metals: Systematic study.](#)
- (P) **S. Bukkuru, M. Warriar and M. C. Valsakumar:** [Molecular Dynamics study of interstitial diffusion in fcc and bcc metals.](#)