

MoD-PMI 2025

Monday 26 May 2025

contributed - Press Room (10:35 - 10:55)

time	[id] title	presenter
10:35	[46] A kinetic model based on DFT for H atoms transport at the W/Cu interface	Dr FERRO, Yves

contributed - Press Room (12:55 - 13:15)

time	[id] title	presenter
12:55	[13] Microstructure impact on tritium retention and permeation in tungsten/oxide interface from first-principles based phase field modelling	NGUYEN-MANH, Duc

contributed - Press Room (15:30 - 15:50)

time	[id] title	presenter
15:30	[15] Impact of the trapping model on Tritium retention and permeation in DEMO Tungsten/Eurofer First Wall	HODILLE, Etienne

Tuesday 27 May 2025

contributed - Press Room (10:00 - 10:20)

time	[id] title	presenter
10:00	[10] Multi-scale modelling of hydrogen isotopes retention and diffusion in highly irradiated materials	KAUR, Sanjeet

contributed - Press Room (12:00 - 12:20)

time	[id] title	presenter
12:00	[34] Applying machine learning potential models to the study of hydrogen in metals: accurate property calculations, complex dynamics simulations, and challenges	ODA, Takuji

contributed - Press Room (14:50 - 15:10)

time	[id] title	presenter
14:50	[55] Trap-diffusion modelling of diffusion in restricted geometries	VON TOUSSAINT, Udo

contributed - Press Room (16:20 - 17:00)

time	[id] title	presenter
16:20	[42] Transport and deuterium interaction with defects in W, EUROFER and W-Cr-Y alloys damaged by heavy ions	Dr OGORODNIKOVA, Olga
16:40	[22] Vacancy dynamics and hydrogen retention in beryllium	Dr MATVEEV, Dmitry

Wednesday 28 May 2025

contributed - Press Room (11:40 - 12:20)

time	[id] title	presenter
11:40	[57] Surface Characterization of Advanced Tungsten and Ceramic Plasma-Facing Materials	Dr KOLASINSKI, Robert
12:00	[12] Nanoindentation and Defect Behavior in Irradiated FCC NiFe Alloys: Experimental Insights and Atomistic Modeling	DOMINGUEZ GUTIERREZ, Francisco Javier