



AMPPI 2024

Monday, 15 July 2024

PSI and PMI modelling - Hall 1 (14:30 - 14:50)

time	[id]	title	presenter
14:30	[41]	Multi-scale modelling of H interactions on W surfaces and W/Cu interlayers	SILVA SOLIS, Yosvany

# Thursday, 18 July 2024

## **PSI and PMI modelling - Hall 1 (09:00 - 10:35)**

**-Conveners: Sebastijan Brezinsek**

time	[id] title	presenter
09:00	[90] Present status of modelling dynamically modifying rough and/or crystalline surfaces under energetic particle bombardment: Consequences for reflection and sputter yield distributions	VON TOUSSAINT, Udo
09:25	[74] Global 3D Modelling of Plasma-Wall Interactions in Fusion Devices: Applications and Data Needs in View of ITER and DEMO	Dr MATVEEV, Dmitry
09:50	[88] In-situ enhanced erosion of re-deposits: conclusions from modelling of tracer injection experiments	KIRSCHNER, Andreas
10:15	[84] A+M data for validation of tungsten erosion and transport simulations: status and prospects	KUMPULAINEN, Henri

## **PSI and PMI modelling - Hall 1 (11:05 - 12:30)**

**-Conveners: Kai Nordlund**

time	[id] title	presenter
11:05	[43] Computer study of sputtering mechanisms of fusion relevant materials	Dr GRANBERG, Fredric
11:30	[79] Computational analysis of physical and chemically assisted physical sputtering in plasma-facing components	FAKHRAYI MOFRAD, Nima
11:50	[89] Bulk, surfaces, and grain boundaries in the lifetime of cascades	LEE, Byeongchan
12:10	[28] Simulation of interaction between dislocations and hydrogen/helium in tungsten	LI, Xiaochun

## **PSI and PMI modelling - Hall 1 (14:00 - 14:50)**

**-Conveners: Udo von Toussaint**

time	[id] title	presenter
14:00	[34] Time-Dependent Plasma Surface Interaction Modeling to Address Dynamic Recycling in a Tungsten Divertor	WIRTH, Brian
14:25	[80] FESTIM and HTM: leading Open-Source hydrogen transport modelling	DELAPORTE-MATHURIN, Remi