

7th International Workshop on Mechanisms of Vacuum Arcs (MeVArc 2018)

Monday, 21 May 2018

Modeling and Simulations - La Puntilla (13:30 - 14:30)

time	[id] title	presenter
13:30	[26] Do Cracks and Unipolar Arcs explain vacuum breakdown and gradient limits?	Dr NOREM, Jim
14:00	[17] Simulations of Multi-Phase Processes of Arc Interaction with Electrodes	Dr KOLOBOV, Vladimir

Tuesday, 22 May 2018

Modeling and Simulations - La Puntilla (08:30 - 10:00)

time	[id] title	presenter
08:30	[29] Dynamic Coupling of a Finite Element Solver to Large-Scale Atomistic Simulations	VESKE, Mihkel
09:00	[25] Thermal runaway of intensively field-emitting metal tips.	KYRITSAKIS, Andreas
09:30	[9] Stochastic model of breakdown nucleation under intense electric fields	ENGELBERG, Eli

Wednesday, 23 May 2018

Modeling and Simulations - La Puntilla (10:30 - 11:30)

time	[id] title	presenter
10:30	[6] Modeling of Cathode Spot Crater Formation and Development on pure Cu and CuCr alloy in Vacuum Arc	Prof. WANG, Lijun
11:00	[18] Droplet emission from non-refractory cathodes: From vacuum arcs to ultra-high-pressure arcs	Dr NEMCHINSKY, Valerian

Modeling and Simulations - La Puntilla (13:30 - 14:30)

time	[id] title	presenter
13:30	[45] Study of a low-pressure high voltage switch triggered by laser-surface interaction	FIERRO, Andrew
14:00	[36] Computing properties of Pt surfaces for understanding electron emission	SCHULTZ, Peter

Thursday, 24 May 2018

Modeling and Simulations - La Puntilla (08:30 - 10:00)

time	[id] title	presenter
08:30	[23] Nanotip-formation processes in electric fields	Dr JANSSON, Ville
09:00	[22] Experiments and simulations of nanoscale surface-field interaction	VIGONSKI, Simon
09:30	[30] Artificial neural networks for Cu surface migration barrier prediction	LAHTINEN, Jyri