

10th International Workshop on the Mechanisms of Vacuum Arcs (Hybrid MeVArc 2022)

Monday 19 September 2022

Field Emission (14:30 - 15:30)

-Conveners: Veronika Zadin

time	[id] title	presenter
14:30	[13] Optical Excitation Response Times for Field Emission from an Individual p-type Si Nanowire	PURCELL, Stephen
15:00	[2] Theoretical study of field emission from a "real" metal surface	LEBEDYNSKYI, Serhii

Tuesday 20 September 2022

Field Emission (14:30 - 16:00)

-Conveners: Chris Moore

time	[id] title	presenter
14:30	[37] A Computational Tool for Static Simulations of Semiconducting Field Emitters	BARRANCO CÁRCELES, Salvador
15:00	[32] Enabling Bright Carbon Nanotube Fiber Field Emission Cathode	POSOS, Taha Y.
15:30	[41] New field emission dynamics in a 2D space charge dominated regime beyond Fowler Nordheim for high gradient injectors	SCHNEIDER, Mitchell

Wednesday 21 September 2022

Field Emission (11:00 - 12:30)

-Conveners: Marek Jacewicz

time	[id] title	presenter
11:00	[7] Field emission of nanoprotusions, from its nucleation to quantum dot physics	AYARI, Anthony
11:30	[10] Joule heating of an emitter on the cathode surface by field electron emission current with account of the non-isolation of the vertex	DIACHENKO, Mykhailo
12:00	[46] The influence of carbon layer on the field emission properties of tungsten nanotip at nanogaps	LI, Yimeng

Thursday 22 September 2022

Field Emission (11:00 - 12:30)

-Conveners: Andreas Kyritsakis

time	[id] title	presenter
11:00	[16] Modeling of Quantum Tunneling in Terahertz Scanning Tunneling Microscopes	Dr BANERJEE, Sneha
11:30	[14] THE SWITCH-ON MECHANISM OF THE CURRENT EMISSION	Dr SPADA, Emanuele
12:00	[31] Why using the Nordheim parameter γ in the mathematics of the special mathematical function “ v ” used in field emission theory should now be regarded as mathematically perverse	FORBES, Richard