

11th International Workshop on the Mechanisms of Vacuum Arcs (MeVArc 2024)



Sunday, 3 March 2024 - Thursday, 7 March 2024

Workshop Topics

Applications

High Gradient Accelerators
Discharge-based Devices
Electrostatic Failure Mitigation
Vacuum Interrupters
Satellites
Fusion Devices
Pulsed Power

Field Emission

Tunneling Theory
Fowler-Nordheim Models
Thermionic Emission
Field Emission from "Real" Surfaces
STM/AFM/SKPM Measurements

Experiments and Diagnostics

DC Breakdown
RF Breakdown
Materials
Advanced Diagnostics
Technologies for High Gradients
Insulator Flashover
Multipactor

Modeling and Simulations

Arc Initiation and Evolution
Plasma-Wall Interactions
Surface Damage and Evolution
Surface Modification from E and B Fields
Dislocation Activity
Cavity Condition and Evolution
Numerical Methods (PIC-DSMC, MD, KMC, etc.)