

8th International Workshop on Mechanisms of Vacuum Arcs (MeVArc 2019)



Sunday, September 15, 2019 - Thursday, September 19, 2019

Orto Botanico - Padova

Scientific Programme

Programme

Book of Abstract

Applications

High Gradient Accelerators
Discharge-based Devices
Electrostatic Failure Mitigation
Vacuum Interrupters
Satellites
Fusion relevant Applications

Field Emission

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

Experiments and Diagnostics

Vacuum Arcs
RF and DC Breakdown
Materials
Advanced Diagnostics
Technologies for High Gradients

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.)