Session Program

18–22 Sept 2022

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

Poster Session

Chania, Crete
Orthodox Academy of Crete, Platanias 73006, Greece

Tuesday 20 September

16:00

Poster Session

Session | **Location:** Chania, Crete, Orthodox Academy of Crete, Platanias 73006, Greece

16:00–16:10

Ab initio Investigation of Cu Nanoparticle Behavior Under High Electric Field

Speaker
Ye Wang

16:10–16:20

Growth of Nb films on Cu substrates by direct current and high power impulse magnetron sputtering: a molecular dynamics study

Speakers
Milad Ghaemikermani, Alvaro Lopez Cazalilla

16:20–16:30

Effects of the series impedance on vacuum arc plasma onset

Speaker
Andreas Kyritsakis

16:30–16:40

An influence of the cathode surface morphology on the dark current and high-gradient high-vacuum breakdown of the accelerating structures.

Speaker
Yuliia Lebedynska

16:30–16:40

The field emission current density from a metal in the presence of field emitting nanotips on the surface in accelerating structures

Speaker
Yuliia Lebedynska

16:40–16:50

Field Emission for Medical Imaging

Speaker
Salva Barranco Cárceles

16:50–17:00

Multi-scale modelling of electrical breakdown in vacuum: Influence of electromagnetic power

Speaker
Dr Tauno Tiirats

17:00–17:10

HV Discharges Monitoring at HVPTF: Perspectives from X-ray Spectroscopy

Speaker
Matteo Hakeem Kushoro

17:10–17:20

Elemental Theory of Photoemission and Nanoplasmonics

Speaker
Victoria Bjelland

17:10–17:20 **Plasmonics manipulation of Photoemission**

Speaker
Victoria Bjelland

17:20–17:30
Resistivity Measurement of Metal Surfaces to Track Down Dislocations Caused by Surface Conditioning

Speaker
Mircea-George Coman

17:30–17:40 **Analysing Cu electrodes with AFM and SEM**

Speaker
Sven Oras

17:40–17:50
PULSED DC HIGH FIELD MEASUREMENTS OF IRRADIATED AND NON-IRRADIATED ELECTRODES OF DIFFERENT MATERIALS

Speaker
Ruth Peacock

17:40–17:50
LARGE ELECTRODE SYSTEM MEASUREMENTS OF FIELD EMISSION INDUCED OPTICAL EMISSION SPECTRA

Speaker
Ruth Peacock

18:10