

**Mini MeVArc meeting**

**Report of Contributions**

Contribution ID: 2

Type: **not specified**

## **CERN rf test stands: Setup, measurements and results on breakdown**

*Tuesday 17 October 2017 14:45 (30 minutes)*

**Presenter:** PASZKIEWICZ, Jan (University of Oxford (GB))

**Session Classification:** Experimental results - Breakdown

Contribution ID: 3

Type: **not specified**

## **Pulsed DC System and Electrode Surface Analysis in Helsinki**

*Tuesday 17 October 2017 13:30 (30 minutes)*

**Presenter:** SARESSALO, Anton (Helsinki Institute of Physics (FI))

**Session Classification:** Experimental results - Breakdown

Contribution ID: 4

Type: **not specified**

## **CERN pulsed dc system: Setup, measurements and results on breakdown**

*Tuesday 17 October 2017 14:00 (30 minutes)*

**Presenter:** PROFATILOVA, Iaroslava (Nat. Acad. Sci., Inst. Appl. Phys. (UA))

**Session Classification:** Experimental results - Breakdown

Contribution ID: 6

Type: **not specified**

## News from Helsinki

*Tuesday 17 October 2017 09:40 (30 minutes)*

**Presenter:** DJURABEKOVA, Flyura (University of Helsinki)

**Session Classification:** Overviews of activities

Contribution ID: 7

Type: **not specified**

## Updates from Huji - model and experiments

*Tuesday 17 October 2017 10:10 (30 minutes)*

**Presenter:** ASHKENAZY, Yinon (The Hebrew University of Jerusalem (IL))

**Session Classification:** Overviews of activities

Contribution ID: 8

Type: **not specified**

## **Overview of Tartu activities/DFT calculations of Cu surface defects**

*Tuesday 17 October 2017 11:30 (30 minutes)*

**Presenter:** ZADIN, Vahur (University of Tartu)

**Session Classification:** Overviews of activities

Contribution ID: 9

Type: **not specified**

## **Electric field model in kinetic Monte-Carlo simulations of metals**

*Wednesday 18 October 2017 14:15 (30 minutes)*

**Presenter:** JANSSON, Ville (University of Helsinki)

**Session Classification:** Modeling and simulations



Contribution ID: **10**

Type: **not specified**

# **Thermal runaway and evaporation of metal nano-tips during intense electron emission**

*Wednesday 18 October 2017 13:30 (30 minutes)*

**Presenter:** KYRITSAKIS, Andreas

**Session Classification:** Modeling and simulations

Contribution ID: 11

Type: **not specified**

## **Coupling of electronic effects to the large scale atomistic simulations**

*Wednesday 18 October 2017 13:00 (30 minutes)*

**Presenter:** VESKE, Mihkel (University of Helsinki)

**Session Classification:** Modeling and simulations

Contribution ID: 12

Type: **not specified**

## **Polarisability of adatoms under the electric field. A DFT study**

*Wednesday 18 October 2017 16:00 (30 minutes)*

**Presenter:** BAIBUZ, Ekaterina (University of Helsinki)

**Session Classification:** Modeling and simulations

Contribution ID: 13

Type: **not specified**

## **Dislocation nucleation in copper under cyclic stress**

*Tuesday 17 October 2017 16:30 (20 minutes)*

**Presenter:** ROMPPAINEN, Jonna

**Session Classification:** Modeling and simulation

Contribution ID: 14

Type: **not specified**

# Molecular dynamics simulations of polycrystalline Cu

*Tuesday 17 October 2017 16:00 (30 minutes)*

**Presenter:** KUPPART, kristian

**Session Classification:** Modeling and simulation

Contribution ID: 15

Type: **not specified**

## **Tungsten under femtosecond laser irradiation - emission currents, thermal and mechanical behaviour**

*Wednesday 18 October 2017 16:30 (30 minutes)*

**Presenter:** AARE, Robert (National Institute of Chemical Physics and Biophysics (EE))

**Session Classification:** Modeling and simulations

Contribution ID: 16

Type: **not specified**

## **Artificial neural networks for Cu surface migration barrier prediction**

*Wednesday 18 October 2017 15:15 (30 minutes)*

**Presenter:** LAHTINEN, Jyri

**Session Classification:** Modeling and simulations

Contribution ID: 17

Type: **not specified**

## **Kinetic Monte Carlo simulations of gold - simulation and experiment**

*Wednesday 18 October 2017 14:45 (30 minutes)*

**Presenter:** VIGONSKI, Simon (University of Tartu)

**Session Classification:** Modeling and simulations



Contribution ID: **18**

Type: **not specified**

## News from Uppsala

*Tuesday 17 October 2017 11:00 (30 minutes)*

**Presenter:** JACEWICZ, Marek (Uppsala University (SE))

**Session Classification:** Overviews of activities

Contribution ID: **19**

Type: **not specified**

## **CERN DC systems: Field emission measurements**

*Wednesday 18 October 2017 09:00 (20 minutes)*

**Presenter:** PROFATILOVA, Iaroslava (Nat. Acad. Sci., Inst. Appl. Phys. (UA))

**Session Classification:** Experimental results - field emission and microscopy

Contribution ID: 20

Type: **not specified**

## **CERN rf test stands: Field emission measurements**

*Wednesday 18 October 2017 09:20 (20 minutes)*

**Presenter:** Mr PASZKIEWICZ, Jan (University of Oxford (GB))

**Session Classification:** Experimental results - field emission and microscopy

Contribution ID: 21

Type: **not specified**

## Fluctuation analysis

*Tuesday 17 October 2017 15:15 (20 minutes)*

**Presenter:** LACHMANN, Sagy (Hebrew University of Jerusalem)

**Session Classification:** Experimental results - Breakdown

Contribution ID: 22

Type: **not specified**

## **Microscopy at CERN**

*Wednesday 18 October 2017 09:40 (30 minutes)*

**Presenter:** RODRIGUEZ CASTRO, Enrique (CERN)

**Session Classification:** Experimental results - field emission and microscopy

Contribution ID: 23

Type: **not specified**

## **Fib and tomography**

*Wednesday 18 October 2017 10:30 (30 minutes)*

**Presenter:** ASHKENAZY, Yinon (The Hebrew University of Jerusalem (IL))

**Session Classification:** Experimental results - field emission and microscopy

Contribution ID: 24

Type: **not specified**

## News from CLIC and high-gradient applications

*Tuesday 17 October 2017 09:10 (30 minutes)*

**Presenter:** WUENSCH, Walter (CERN)

**Session Classification:** Overviews of activities

Contribution ID: 25

Type: **not specified**

## Welcome words

*Tuesday 17 October 2017 09:00 (5 minutes)*



Contribution ID: 26

Type: **not specified**

## Group discussions

*Wednesday 18 October 2017 11:00 (1 hour)*

**Session Classification:** Experimental results - field emission and microscopy