

## **Session Program**

**2-3 Feb 2021**



## **R2E Annual Meeting - 2021**

### ***Research***

Zoom, <https://cern.zoom.us/j/66443962012?pwd=M08zTDR4U3ZDdTYwbk9vcIBPNlJQT09>

## Tuesday 2 February

14:30

### Research

**Session** | **Location:** Zoom, <https://cern.zoom.us/j/66443962012?pwd=M08zTDR4U3ZDdTYwbk9vcIBPNlIJQT09>

14:30-14:45

#### G4SEE Monte Carlo simulation tool

**Speaker**

David Lucsanyi

14:45-15:00

#### Silicon diode as R2E detector

**Speaker**

Kacper Bilko

15:00-15:15

#### System level radiation testing

**Speakers**

Andrea Coronetti, Ivan Slipukhin

15:15-15:30

#### Virtual coffee break

15:30-15:45

#### Neutron induced SEEs

**Speaker**

Matteo Cecchetto

15:45-16:00

#### Benchmark between FLUKA and radiation detectors

**Speaker**

Daniel Prelipcean

16:00-16:15

#### Radiation Induced Luminescence optical fiber dosimeter

**Speaker**

Nourdine Kerboub

16:15-16:30

#### R2M studies of radiation effects on oils and greases

**Speakers**

Dominika Senajova, Matteo Ferrari

16:30-16:45

#### Radiation tolerant wireless IoT system for Radiation Monitoring

**Speaker**

Alessandro Zimmaro

16:45-17:00

#### Updates on FPGA testing

**Speaker**

Rudy Ferraro

17:00-17:15

#### Floating Gate Dosimeter: sensitivity characterization and heavy ion response

**Speaker**

Matteo Brucoli

17:15-17:30

#### Heavy ion dosimetry and experiments in CHARM: part I

**Speakers**  
Andrea Coronetti, Dr Giuseppe Lerner

**17:30-17:45 Heavy ion dosimetry and experiments in CHARM: part II**

**Speakers**  
Matteo Brucoli, Rudy Ferraro

**17:45-18:00 Experimental evaluation of external facilities**

**Speaker**  
Andrea Coronetti

**18:00-18:15 Terrestrial neutron effects on commercial SiC power MOSFETs**

**Speaker**  
Corinna Martinella

**18:15-18:30 Atmospheric neutron testing of GaN power devices**

**Speaker**  
Mario Sacristan Barbero

18:30