

## **Session Program**

**2-3 Feb 2021**



## **R2E Annual Meeting - 2021**

### ***Developments***

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

## Wednesday 3 February

09:20

### Developments: Beam Instrumentation

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

09:20–09:35 **BI developments using Timepix3**

**Speaker**

Hampus Sandberg

09:35–09:50 **Radiation tolerant camera developments**

**Speaker**

Stephane Burger

09:50–10:10 **R2E developments for Beam Position Monitoring**

**Speaker**

Manoel Barros Marin

10:10–10:30 **R2E developments for Beam Loss Monitoring**

**Speaker**

Christos Zamantzas

10:30

10:40

### Developments: Quench Protection System

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

10:40–11:00

**The quench detection system for the 11 T MBH protection - the radiation tolerant version of the UQDS platform**

**Speaker**

Jens Steckert

11:00–11:20

**Radiation tolerant bus-bar splice protection system for the HL-LHC era**

**Speaker**

Jelena Spasic

11:20–11:40

**Next generation of radiation tolerant field-bus clients for QPS**

**Speaker**

Jelena Spasic

11:40

11:40

### Developments: Beam Controls

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

11:40–11:55

**DI/OT - modular platform for rad-tol electronics**

**Speaker**

Grzegorz Daniluk

11:55–12:10

**RaToPUS - rad-tol switched mode AC/DC power supply**

	<p><b>Speaker</b> Lalit Patnaik</p>
	<p><b>12:10-12:25</b> <b>DI/OT System Board and crate monitoring</b></p> <p><b>Speaker</b> Christos Gentsos</p>
	<p><b>12:25-12:40</b> <b>Ensuring high-reliability for DI/OT hardware kit</b></p> <p><b>Speaker</b> Volker Schramm</p>
12:40	
13:45	<p><b>Developments: Beam Dump System</b> <b>Session</b>   <b>Location:</b> Zoom, <a href="https://cern.zoom.us/j/66443962012?pwd=M08zTDR4U3ZDdTYwbk9vcIBPNlJQT09">https://cern.zoom.us/j/66443962012?pwd=M08zTDR4U3ZDdTYwbk9vcIBPNlJQT09</a></p>
	<p><b>13:45-14:00</b></p> <p><b>R2E challenges of LHC beam dumping generators and high sensitivity HEH monitor development</b></p> <p><b>Speaker</b> Viliam Senaj</p>
14:00	
14:00	<p><b>Developments: Power Converters</b> <b>Session</b>   <b>Location:</b> Zoom, <a href="https://cern.zoom.us/j/66443962012?pwd=M08zTDR4U3ZDdTYwbk9vcIBPNlJQT09">https://cern.zoom.us/j/66443962012?pwd=M08zTDR4U3ZDdTYwbk9vcIBPNlJQT09</a></p>
	<p><b>14:00-14:20</b> <b>Design of a 500 Gy radiation tolerant converter</b></p> <p><b>Speaker</b> Yves Thurel</p>
14:20	
14:20	<p><b>Developments: Machine Interlock System</b> <b>Session</b>   <b>Location:</b> Zoom, <a href="https://cern.zoom.us/j/66443962012?pwd=M08zTDR4U3ZDdTYwbk9vcIBPNlJQT09">https://cern.zoom.us/j/66443962012?pwd=M08zTDR4U3ZDdTYwbk9vcIBPNlJQT09</a></p>
	<p><b>14:20-14:40</b> <b>Overview of MPE-Machine Interlock systems affected by radiation</b></p> <p><b>Speaker</b> Raffaello Secondo</p>
14:40	