

**Joint Electronics-forum /  
RADWG event: Copper to  
Fibre (1/2)**

**Report of Contributions**

Contribution ID: 1

Type: **not specified**

# **Introduction - Preparing the evolution from Copper to Optical Fibres at CERN**

*Thursday 20 June 2024 15:15 (15 minutes)*

Introducing the topic and short-term opportunities to enable switching to Copper to Optical Fibres

**Presenter:** RICCI, Daniel (CERN)

Contribution ID: 2

Type: **not specified**

## **[EP-ESE] Solutions, building blocks, current catalogue availability & Radiation Tolerance**

*Thursday 20 June 2024 15:30 (15 minutes)*

- 1- EP-ESE Solutions, basic building blocks and architectures for optical fibre communications
- 2-Current catalogue, availability, production plan and radiation tolerance for photonics components at EP-ESE
- 3-lpGBT availability, production plan and radiation tolerance of the new serializer/deserializer device

**Presenters:** FACCIO, Federico (CERN); TROSKA, Jan (CERN); BARON, Sophie (CERN)

Contribution ID: 3

Type: **not specified**

## **[EP / SY-BI] Launched solutions& experience feedback**

*Thursday 20 June 2024 15:45 (10 minutes)*

Already launched fibre solutions

EP & SY-BI experience (technical details and boards developed/being developed)

**Presenters:** BOCCARDI, Andrea (CERN); BARROS MARIN, Manoel (CERN)

Contribution ID: 4

Type: **not specified**

## **[BE-CEM] Radiation Test Requirements, COTS Status and Solutions**

*Thursday 20 June 2024 15:55 (10 minutes)*

Radiation test results

Radiation requirements (i.e BLM and BPMs)

COTS solutions and risk

**Presenters:** BARROS MARIN, Manoel (CERN); FERRARO, Rudy (CERN); DANZECA, Salvatore (CERN)

Contribution ID: 5

Type: **not specified**

## Open Discussion and Future Perspective

*Thursday 20 June 2024 16:05 (30 minutes)*

**Presenters:** RICCI, Daniel (CERN); GOUSIOU, Evangelia (CERN); SACCANI, Mathieu (CERN); DANZECA, Salvatore (CERN)