

NA 1: Communication, Dissemination, Exploitation and Training

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RADNEXT Kick Off Meeting – 19-21 May 2021

<https://indico.cern.ch/event/983095/>

<https://indico.cern.ch/event/1029314/>



Work Package WP02/NA1

Communication, dissemination, exploitation and training

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Outline

- Coordination and Communication
- Dissemination and outreach for radiation testing of electronics
- Exploitation and link to industry
- Enhancement of training for radiation testing of electronics
- Conclusion

Coordination and communication

- Establish a communication and dissemination plan targeted to
 - attract **new users** (e.g. SMEs)
 - demonstrate the **relevance** of accelerator infrastructures **for society**
 - **attract students and researchers** to radiation effects and testing
 - **disseminate results of the JRA** work packages
 - identify opportunities and facilitate **knowledge transfer and IP licensing**
- Identify the different **communication and outreach channels**
- Define **Key Performance Indicators** to monitor the communication and dissemination effectiveness

Dissemination and outreach for radiation testing of electronics

- **Dissemination to the radiation effects community:**
 - **What?**
 - Availability of irradiation beam time via RADNEXT transnational access
 - Irradiation test results from RADNEXT transnational access
 - Scientific results from JRAs
 - **How?**
 - Via project and partner websites and social media
 - Via RADNEXT facility and user online platform
 - Via a periodic RADNEXT newsletter
 - Via data workshops and RADNEXT booths at conferences such as RADECS and NSREC
 - Via the project repository
 - Via DOEEET (<https://www.doeet.com/>) blog and webinars

Dissemination and outreach for radiation testing of electronics

- **Dissemination of RADNEXT test results to**
 - support other users in their selection and further qualification of components for radiation tolerant applications
 - allow a broad access to the irradiation data enabling further scientific exploitation of the results and minimizing duplication of experimental efforts
- Irradiation data will be included in the **RADNEXT Preferred Parts List**

Dissemination and outreach for radiation testing of electronics

- Outreach to the general public:
 - **Why?** To create visibility and awareness of Radiation Hardness Assurance (RHA) also in ground level applications
 - **How?** via the public website and social media
- Join and follow us now



<https://radnext-network.web.cern.ch>



<https://www.linkedin.com/company/radnext>



@RADNEXT_EU

Exploitation and link to industry

- Appointment of an **Industry Advisory Panel (IAP)**
 - Members:
 - 6 members of which 3 will be selected for every application round to join the User Selection Panel (USP)
 - Additional associate members
 - Consulted whenever required
- Establish an **exploitation plan** to
 - support market assessment
 - assist the evaluation of commercialization opportunities of the technologies
 - advise the research projects regarding the preparation of Business Plans.
 - advise on the management of IP background and foreground, licensing and partnership requests

Exploitation and link to industry

- RADNEXT link to industry
 - **Outreach for new collaboration** among the RADNEXT facilities and users from industry
 - Dedicated measures for assessing and **bridging the gap between science and industry** with respect to radiation hardness testing
 - Consult industry for the **present and future expected demand** for radiation hardness testing in Europe
 - **Who?**
 - the IAP
 - the pool of industrial exhibitors at the RADECS conferences,
 - the companies participating in the TA of RADNEXT
 - the companies that provided letters of support for RADNEXT.
 - **Why?**
 - Analyse the requirements from industry and assess how the RADNEXT facilities can adapt to that
 - Support shaping the roadmap for future facilities.
 - **Become a RADNEXT supporter** and contact radnext-proposal-coordination@cern.ch

Exploitation and link to industry

- **RADNEXT to industry events**
 - **When?**
 - In the first year, in the middle and at the end of the project
 - **Why?**
 - Foster the collaboration among partners and within industries
 - Disseminate the output of R&D
 - Business opportunities
 - **How?**
 - On the base of an overall outreach strategy
 - The possibility to segment the events by sector/application domain will be considered

Enhancement of training for radiation testing of electronics/photonics

- Monitor **existing training provisions** on electronics/photonics radiation testing
- Optimize training offers from the different partners to **maximize synergies** and complementarity and promote **sharing of resources and good practices**
- Assess the needs for, organize and promote additional training activities and develop dedicated training material.
 - Particular **training sessions** will be foreseen at the RADNEXT-to-Industry events.
 - A **dedicated training repository** will be developed on the topics of radiation effects in electronics and photonics, irradiation facilities and their differences, complementarities, access constraints, and test setup preparation
 - Setup an **E-learning course** on radiation testing of electronics
- Explore synergies with **European Joint Master RADMEP**

Link with European Joint Master RADMEP

Erasmus Mundus

European Joint Master in
Radiation and its Effects
on MicroElectronics and
Photonics Technologies



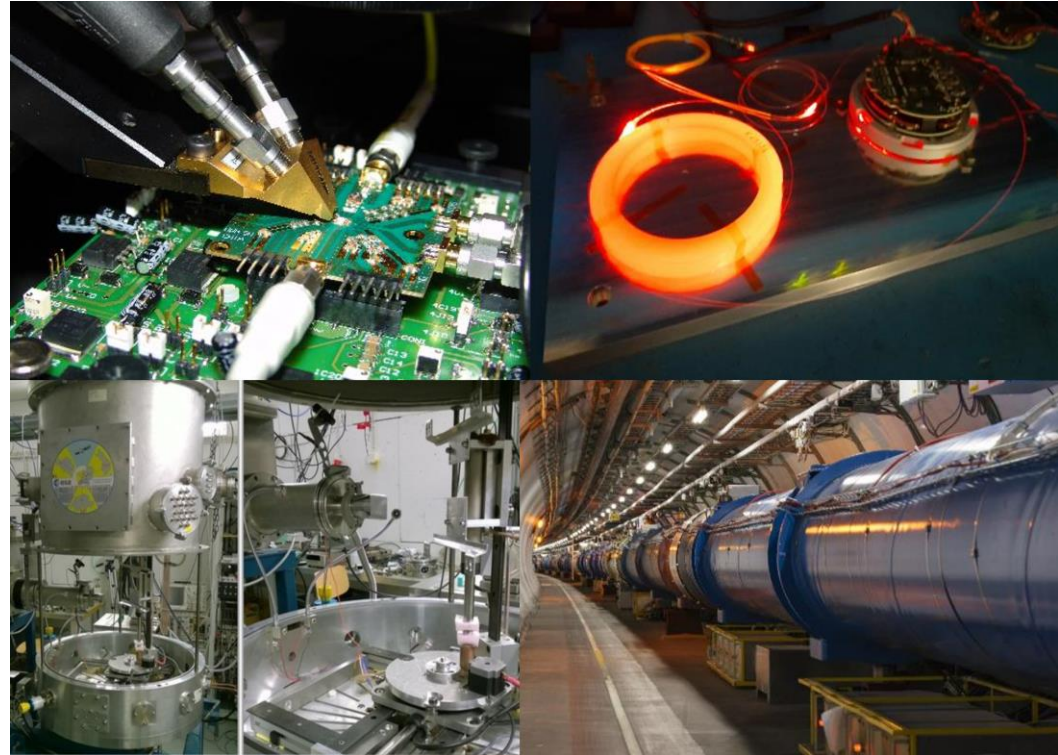
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Start: 09/2021

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Thanks for your attention!



Image Source: CERN