



EIRO WORKSHOP

RADIATION HARDNESS MEASUREMENT,
TESTING AND MATERIALS

16-18 MARCH 2010, LISBON, PORTUGAL



Organized by EIROforum Instrumentation Working Group

The first topical Workshop on "Radiation Hardness Measurement, Testing and Materials" – RadHard2010 - will be held from 16 to 18 March 2010, in Lisboa, at “Instituto Superior Técnico”, the largest Portuguese engineering school (www.ist.utl.pt). The RadHard2010, sponsored by the EIROforum Instrumentation Working Group, is organized by “Instituto de Plasmas e Fusão Nuclear” (IPFN) (www.ipfn.ist.utl.pt), the leading research unit of Association EURATOM-IST, on behalf of EFDA-JET.

The exposure to radiation and its impact on performance and operability of the experimental equipment is a common aspect which congregates the challenges faced by most of the EIROforum members. The main purpose of the workshop is bringing the various experts together from all EIRO's and allowing for exchange between them on methodologies and experiences in this specific field, and providing some seeds for future cooperation. Based on the presentations and discussions, opportunities for future collaborations will be explored.

Cross-fertilization between different EIROS is highly beneficial allowing the interchange of knowledge in areas where similar challenges are pursued. The workshop philosophy is to have only plenary sessions covering the problems and solutions from the different EIRO's. With plenty of time for interaction it is expected that the event lays the ground for an extremely stimulating environment, ample opportunity for discussions and fruitful exchanges, fostering future collaborations.

The following topics related to radiation hard instrumentation will be covered:

- Materials
- Detectors
- Facilities to irradiate instrumentation
- Dosimetry

<http://radhard2010.ipfn.ist.utl.pt>

- Radiation robust design of instrument
- Tests of components and parts
- Shielding
- Single event recovery strategies
- Failure detection and autonomy
- Radiation field estimation

Please, find more information at the conference Web site

- <http://radhard2010.ipfn.ist.utl.pt>

Registration to participate is open at the Workshop website.

The Workshop Programme was organized by the Scientific Committee aiming at maximizing the cross-fertilization. Although the Programme is close to completion proposals for contributions will be assessed on a case-by-case basis against the workshop objectives

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