RADIATION TRAINING COURSE

Date: 04.25-26.2024
Location: HUN-REN CSFK Konkoly Observatory
1121 Budapest, Konkoly-Thege Miklós út 15-17.
Speakers: Samuel DUBOS and Soufian YJJOU from TRAD Tests & Radiations (France)
Language: English
Participation: for HUNSPACE members only

ABOUT OUR SPEAKERS

Samuel DUBOS- Radiation Engineer

Key Experiences:

- Expertise in radiation analysis (SEE, TID, TNID), radiation environment modelling (OMERE software), and event rate calculations
- Experience in conducting studies for agencies and R&D topics (mainly focused on alternative test means to heavy ions such as Laser and pulsed X-rays)
- Experience in Heavy ions, Pulsed X-rays, and proton test campaign.
- Expertise in components Laser testing, in charge of the operation of TRAD Laser test bench LISA
- Expertise in Radiation Hardness Assurance for the industry

Soufian YJJOU- Radiation Engineer, Laboratory manager

Key Experiences:

- Solar cells test bench design
- Thermal vacuum cycling test systems
- Solar cell degradation models
- Ground based irradiation test campaign

More information in the attached CVs.

More information: hunspace.cluster@gmail.com

Day 1 10:00- 17:00- Soufian YJJOU

Radiation constraints on materials

- Radiation effects on materials and degradations
- Simulation of an adequate dose profile
- Qualification process for materials
- AtOx issues for LEO orbits
- Solar cells degradation and qualification
- Internal charging issues

19:00 Dinner- social evening (optional and not included in the price)

Day 2 09:00- 17:00- Samuel DUBOS

Radiation constraints for EEE components

- Radiation space environnement en engineering model
- Particle-matter interactions
- Single Event Effects : Basic mechanisms and qualifications
- Environment modelling and SEE rate calculation
- Dose effects on components and dose computations
- Radiation Hardness Assurance

PARTICIPATION FEE

- 200.000 HUF + VAT / person, but max. 500.000 HUF + VAT / company
- including coffee breaks and lunchs

DEADLINE FOR APPLICATIONS

- 04.12.2024 via hunspace.cluster@gmail.com