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The challenges of testing COTS devices at European Irradiation Facilities

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Abstract:

This presentation will give an overview on the challenges that use of COTS and New Space is posing to the traditional RHA process and testing from the ESA perspective.

From the traditional Standards for qualification and evaluation for RHA process, new strategies have to be implemented to cope with the increased volume, cost reduction and higher mission risk coming from NewSpace.

Some examples of the “holistic” approach to testing will be given

Short Bio:

Alessandra Costantino received the Master's degree in Physics engineering in 2010 from Politecnico di Milano (Italy). After two-year as intern at ESA-ESTEC, she joined the Radiation Hardness Assurance and Component Analysis Section as focal point and operator of the Co60 Facility and in support of the laboratory activities for radiation tests. She is also the contact point and coordinator for beamtime use at European facilities for ESA TDE activities.



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