

Radiation Environment and its Effects in EEE Components and Hardness Assurance for Space Applications

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- The ESA contribution to this course has been prepared by members of the ESA Component Space Evaluation and Radiation Effect Section (TEC-QEC) and Space Environment and Effects Section (TEC-EPS)
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- Course material is based on ESA Internal Course



- TEC-QEC (Technical and quality management /PA&S / Component Space Evaluation Division/)
 - Radiation Effects (characterization, evaluation, qualification, testing)
 - Radiation Hardness Assurance (All aspects related to EEE Components)
 - In-flight component technology test beds (verification of RHA processes)
 - ^{60}Co & CASE (internal ESTEC facilities) plus ESA supported external irradiation test facilities
 - For more info contact ali.mohammadzadeh@esa.int
 - Homepage:
<https://escies.org/webdocument/showArticle?id=227&groupid=6>

Radiation Effects at ESA 2/2



- TEC-EPS (Technical and quality management/Electrical Engineering/ Power & Space Environment Division/Space Environment)
 - Radiation Environment (definition / modelling / prediction / shielding analysis)
 - Radiation Effects (modelling)
 - In-flight Radiation Monitoring Instruments
 - For more info contact Veronique.Ferlet-Cavrois@esa.int
 - Homepage: <http://space-env.esa.int/index.php/ESA-ESTEC-Space-Environment-TEC-EES.html>

