

TEC-EPS Final Presentations: Space environment and radiation effects

Report of Contributions

Contribution ID: 1

Type: **not specified**

Introduction & Executive summary

Monday, 12 November 2018 09:45 (15 minutes)

Presenter: NIEMINEN, Petteri (ESA)

Contribution ID: 2

Type: **not specified**

3D Energetic Electron Spectrometer

Monday, 12 November 2018 10:30 (45 minutes)

Primary author: WILLEMS, Ruben (QinetiQ)

Presenter: WILLEMS, Ruben (QinetiQ)

Session Classification: Detectors

Contribution ID: 3

Type: **not specified**

Miniaturised Radiation Monitor

Session Classification: Detectors

Contribution ID: 4

Type: **not specified**

Prototype Compact Wide Angle Coronagraph

Monday, 12 November 2018 12:15 (45 minutes)

Primary author: TOSH, Ian (RAL Space STFC (UK))

Presenter: TOSH, Ian (RAL Space STFC (UK))

Session Classification: Detectors

Contribution ID: 5

Type: **not specified**

SEPEM Evolution

Monday, 12 November 2018 14:00 (45 minutes)

Primary author: HEYNDERICKX, Daniel (DH Consultancy BVBA)

Presenter: HEYNDERICKX, Daniel (DH Consultancy BVBA)

Session Classification: Models, Tools & Data

Contribution ID: 6

Type: **not specified**

GRAS calibration on small sensitive volume

Monday, 12 November 2018 10:00 (30 minutes)

Primary authors: BAGATIN, Marta (DEI - Padova University); GERARDIN, Simone (DEI - Padova University)

Presenters: BAGATIN, Marta (DEI - Padova University); GERARDIN, Simone (DEI - Padova University)

Session Classification: Detectors

Contribution ID: 7

Type: **not specified**

GEO telecoms radiation tools efficiency improvement with methods and geometry exchanges for industrial tools

Session Classification: Models, Tools & Data

Contribution ID: 8

Type: **not specified**

ROSSINI 2: Testing of Innovative Materials for Passive Radiation Shielding for Human Spaceflight

Monday, 12 November 2018 11:30 (45 minutes)

Primary author: GIRAUDO, Martina (Thales Alenia Space Italia S.p.a.)

Presenter: GIRAUDO, Martina (Thales Alenia Space Italia S.p.a.)

Session Classification: Detectors

Contribution ID: 9

Type: **not specified**

Electromagnetic monitoring of the Geospace environment for Space Weather/SSA purposes

Monday, 12 November 2018 14:45 (45 minutes)

Primary author: LICHTENBERGER, János (Space Research Lab, Eotvos University)

Presenter: LICHTENBERGER, János (Space Research Lab, Eotvos University)

Session Classification: Models, Tools & Data

Contribution ID: **10**

Type: **not specified**

ODI databases maintenance project

Monday, 12 November 2018 15:50 (20 minutes)

Presenter: HEYNDERICKX, Daniel (DH Consultancy BVBA)

Session Classification: Models, Tools & Data

Contribution ID: **11**

Type: **not specified**

VALIRENE

Monday, 12 November 2018 16:10 (1 hour)

VALIRENE is a two year project to:

- 1) perform a detailed evaluation of the IRENE models against in situ datasets and other radiation environment models (including ECSS);
- 2) consolidate and (cross-) calibrate in situ datasets;
- 3) perform a detailed evaluation and comparison of the UNILIB and IRBEM libraries;
- 4) develop a toolkit to facilitate model validation activities

Primary authors: HEYNDERICKX, Daniel (DH Consultancy BVBA); TRUSCOTT, Pete (Kallisto Consultancy Ltd)

Presenters: HEYNDERICKX, Daniel (DH Consultancy BVBA); TRUSCOTT, Pete (Kallisto Consultancy Ltd)

Session Classification: Models, Tools & Data