

Kelvins Day

Report of Contributions

Contribution ID: 1

Type: **not specified**

Kelvins Day Welcome note: Challenges in Space

Wednesday, 11 September 2019 09:30 (20 minutes)

Official opening of the Kelvins day.

Presenters: MÄRTENS, Marcus (ESA); IZZO, Dario (ACT)

Contribution ID: 2

Type: **not specified**

High-Fidelity Validation and Training of Advanced Distributed Space Systems

Wednesday, 11 September 2019 10:10 (20 minutes)

Presenter: PARK, Jeff (Stanford University)

Contribution ID: 3

Type: **not specified**

Satellite Pose Estimation Challenge: Analysis and Results

Wednesday, 11 September 2019 09:50 (20 minutes)

Presenter: KISANTAL, Mate (ESA Advanced Concepts Team)

Contribution ID: 4

Type: **not specified**

Proba-V Super-resolution: Analysis and Results

Wednesday, 11 September 2019 11:00 (15 minutes)

Presenter: MÄRTENS, Marcus

Contribution ID: 5

Type: **not specified**

The Vegetation Instrument: a miniaturized high performance payload for daily global vegetation monitoring - a design overview

Wednesday, 11 September 2019 11:30 (15 minutes)

Presenter: VERSLUYS, Jorg

Contribution ID: 6

Type: **not specified**

The Proba-V operational processing system, serving daily updates on global vegetation

Wednesday, 11 September 2019 11:45 (15 minutes)

Presenter: LIVENS, Stefan (VITO)

Contribution ID: 7

Type: **not specified**

Deep learning and Unreal Engine for Spacecraft Pose Estimation (3rd place)

Wednesday, 11 September 2019 13:00 (25 minutes)

Presenter: PROENÇA, Pedro F. (Surrey Space Centre)

Contribution ID: 8

Type: **not specified**

Segmentation-driven Satellite Pose Estimation (2nd place)

Wednesday, 11 September 2019 13:25 (25 minutes)

Presenter: GERARD, Kyle (EPFL)

Contribution ID: 9

Type: **not specified**

Combining Machine Learning and Geometric Optimisation to solve Pose Estimation (1st place)

Wednesday, 11 September 2019 13:50 (25 minutes)

Presenter: CHIN, Tat-Jun (University of Adelaide)

Contribution ID: **10**

Type: **not specified**

Proba-V: A Short Summary of my Odyssey (3rd place)

Wednesday, 11 September 2019 15:00 (25 minutes)

Presenter: TACCOLA, Matteo (European Space Agency)

Contribution ID: 11

Type: **not specified**

HighRes-net: Deep MFSR by recursive fusion (2nd place)

Wednesday, 11 September 2019 15:25 (25 minutes)

Presenters: DEUDON, Michel (Element AI); LIN, Zhichao (Element AI); KALAITZIS, Freddie (Element AI)

Contribution ID: 12

Type: **not specified**

DeepSUM: Deep neural network for Super-resolution of Unregistered Multitemporal images (1st place)

Wednesday, 11 September 2019 15:50 (25 minutes)

Presenter: MOLINI, Andrea Bordone (Politecnico di Torino)

Contribution ID: 13

Type: **not specified**

Proba-V: Mission and Spacecraft Overview

Wednesday, 11 September 2019 11:15 (15 minutes)

Presenter: SANTANDREA, Stefano (ESA)

Contribution ID: 14

Type: **not specified**

ESRGAN approach for earth imaging super resolution

Wednesday, 11 September 2019 14:45 (15 minutes)

Presenters: AROYO, Alexander (Italian Institute of Technology); MAIETTINI, Elisa (Italian Institute of Technology)