Open Source CubeSat Workshop 2018

Monday 24 September 2018

Talks: Session 1 (10:40 - 11:20)

-Conveners: Fernando Martin-Porqueras; Marcos López-Caniego

time	[id] title	presenter
10:40	[12] Formation Flying, an opportunity to enhance microwave cosmology with CubeSats	Dr CUBAS, Javier
11:00	[30] Millimetre-wave polarisation calibration CubeSat	Mr TISAEV, Mansur

Talks: Session 2 (11:40 - 13:20)

-Conveners: Manthos Papamtthaiou; Red Boumghar

time	[id] title	presenter
11:40	[36] CanSat: The best way to start getting involved in space	Mr SORS RAURELL, Daniel
12:00	[38] Enabling Open and Remote-Access Sensing on Small Satellites	Dr FRAIRE, Juan A. Mr REYNA, Marco A.
12:20	[31] Open source hardware and software PocketQube family of satellite modules	DARADIMOS, Ilias
12:40	[8] The LibreCube Ecosystem: How to Use it, How to Contribute	SCHOLZ, Artur
13:00	[40] SatNOGS - Open source ground station network	DAMKALIS, Fredy

Talks: Session 3 (15:20 - 17:00)

-Conveners: Julio Gallegos Alvarado; Artur Scholz

time	[id] title	presenter
15:20	[9] Developement of a CubeSat communications system based on CCSDS and ECSS standards	Mr STARCIK, Milenko
15:40	[5] ESAT, the educational satellite	EZQUERRO NAVARRO, Jose Miguel
16:00	[45] MAGIC: a miniaturised magnetometer for space weather monitoring with CubeSats	Dr PALLA, Chiara
16:20	[44] Ecuadorian Synchrotron Space Probe “BUHOSAT”	Prof. LOPEZ, Ericson
16:40	[37] Live video from space using COTS hardware and open source software	Mr CSETE, Alexandru

Tuesday 25 September 2018

Talks: Session 4 (09:20 - 11:00)

-Conveners: Marcos López-Caniego; Artur Scholz

time	[id] title	presenter
09:20	[41] Role of Open Source in the Development of a Student-Built Nanosatellite and its Team Members	KUMAR, Tanuj
09:40	[23] Development, and Present Status of PocketQube 'Nepal-PQ1'	PRAJAPATI, Rakesh Chandra
10:00	[22] Open Source Lessons Learned with Open MCT	TRIMBLE, Jay
10:20	[13] Finding an Open Least Common Denominator for Live Integration of Non-space-system-standard Components within Constraint Budgets	GAD, Ruediger
10:40	[24] Open Source DVB-S2 and DVB-S2X for GNU Radio	THOMPSON, Michelle

Talks: Session 5 (11:20 - 13:20)

-Conveners: Manthos Papamtthaiou; Red Boumghar

time	[id] title	presenter
11:20	[14] Orekit, high end flight dynamics accessible to small cubesat teams	Mr MAISONOBE, Luc
11:40	[39] Cubesat Subsystems Preliminary Design: One Software Suite to Bind Them All?	GATEAU, Thibault
12:00	[26] Testing and validation approaches for scientific software	Mr CANO RODRÍGUEZ, Juan Luis
12:20	[27] Ancillary Data Production for SmallSats with SPICE	COSTA SITJÀ, Marc
12:40	[10] CubeSat, 3D Printing & COTS	MOLINA , Martín Ezequiel PAEZ , Hernán REYNA, Marco A. BESSONE , Talia
13:00	[6] HyperSat – new standard for open hardware/software microsatellite platform – phase B1 – first tests of the laboratory models.	Dr STOLARSKI, Marcin