HAPS4ESA 2019 Draft Poster Programme

Platforms and Supporting Technologies		
Options for Beyond Radio Line of Sight (BRLOS) HAPS operation	Simon Ashby	Elson Space Engineering
Deployment of HAPS in an Emergency Scenario: Best Configurations and Procedures	Vincenzo Baraniello	CIRA Italian Aerospace Research Center
HAPS-enabled Services: Overcoming Challenges of Flexibility and Persistence	Alexandra Barker	Airbus
Comparing Solar Arrays for Autonomous Fixed-Wing HALE Aircraft	Raj Budhabhatti	Alta Devices
Limits and potential of fixed wings and LTA	Ugo Cortesi	IFAC-CNR
The HEMERA Stratospheric Balloon Infrastructure	Felix Friedl-vallon	KIT
HAPS Zephyr Technology, Payloads and System Integration	André Grabs	Airbus Defence And Space
Where and When Can One Operate a Solar-Powered High-Altitude Drone?	Simon Johnson	OpenStratosphere
High Altitude Platform for Research and Development Elektra Two Solar: Concept and First Experimental Results	Konstantin Kondak	DLR (German Aerospace Center)
Long endurance lighter-than-air tethered platform with aerodynamic lift enhancement as an HAP system or external HAP tethering support platform.	Filipa Lourenço	Omnidea Lda
Light Free Balloons and trajectories optimization	Ivano Musso	Altec
A Hardware Development Tool Stack for future HAPS	Johannes Norheim	Valispace GmbH
Stratosyst HAPS solution (originally two entries - check abstracts)	Jiří Pavlík	Stratosyst
Control Based Optimization of High Altitude Platforms (HAP)	Christian Weiser	German Aerospace Center
Ground Segment and Stratoports		
Multi-source HAPS data fusion	Ian Spence	Spacemetric
Earth Observation Activities		
Marine Security by exploiting HAPS, Satellite and Open Source data	Andre Bos	Science And Technology Bv
Wide-area Earth Observation instrument for High Altitude Pseudo-Satellites (HAPS)	Jesús Gonzalo	University of León
Emitter Location & Maritime Target Detection Passive L-Band Payload for HAPS Zephyr S	Achim Helm	Airbus Defence And Space GmbH
Automatic localisation, quantification and categorisation of changes occurring within temporally separated optical satellite imagery	Nicholas Kinsey	Roke Manor Research Ltd.
SYNERGIC USE OF AEROSTATIC HAPS AND VIS/NIR/TIR HYPERSPECTRAL SYSTEM FOR AIR QUALITY MONITORING IN CRITICAL SCENARIOS	Giorgio Licciardi	Consorzio di Ricerca Hypatia
HIS-HAPS-ALPS: Hyperspectral Imaging Systems mounted on High Altitude Pseudo Satellites observing ALpine Processes and ecoSystems	Abraham Mejia-Aguilar	Eurac Research
SPIDER A Maritime Radar for Zephyr-S - First Results (originally two entries - check abstracts)	Yvonne Munro	Airbus Defence And Space Limited
OPAZ: first Earth observation system designed for HAPS acquires images and videos from the stratosphere	Laurent Renouard	AIRBUS DS
Comparative Analysis between Conventional Aircraft and HAPS for Surveillance Missions	Tiago Giglio Rodrigues	Jetwind Brazil
The Need for a HAPS Mission on Air Quality Bridging the Gap between Current Satellite Products and User Requirements for Applications on the City Scale	Tim Vlemmix	KNMI
Telecommunication Technologies and Applications / Navigation Activities		
Wireless Laser Communication Terminals for Stratospheric HighAltitude Platforms	Ahmed Al-Mudhafar	Mynaric Lasercom GmbH
HAPS complementing the maritime picture: EMSA's view	Leendert Bal	EMSA
High Altitude Platforms and Low Altitude Drones – Complementary or Competing Telecommunications Delivery Platforms?	David Grace	University Of York