Antonio Fortunato

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KEY SKILLS

Project Management

- Coordinated cross-functional teams of astronauts, instructors and flight controllers.
- Adapted project operations to fast changing task, budget and manpower boundary conditions.
- Negotiated with both internal and external entities project requirements and implementation.

Management Support

- Contributes to parts of the EAC Strategic Plan since its establishment.
- Supports the definition of the Ops 2020+ operations implementation concepts.
- Responsible for the maintenance of the ISO 9001 certification.

Knowledge Management

- Defined the procedure and managed the ESA astronaut debriefing process.
- Directed the pilot implementation of ECLIPSE and ESA Teamsite for HRE-O.
- Interfaced with other centres (e.g. ESOC) for the exchange of relevant lessons learned.

Spaceflight Operations

- Actively contributed to the end-to-end operations of ESA human spaceflight missions. Involved in launch and landing operations, real-time operations preparation and mission control support.
- Directs for more than 5 years the EUROCOM team of ESA Spacecraft Communicators.
- Established and coordinated the EAC Crew Operations Support Team (ECOS).

CAREER HISTORY

Management and Operations Support Officer **Sep 2018 – present**
European Space Agency, European Astronaut Centre, Germany

- Supports the management team at the European Astronaut Centre in a number of different areas (e.g. ESR Review Coordination, ECOS Management).
- Coordinates the QMS activities (incl. ISO 9001 certification) for HRE-O.
- Coordinates the implementation of the UAE Short Duration Mission (currently on-hold).
- Coordinates the LUNA Energy project.

Deputy Head of the Astronaut Operations Team **Mar 2014 – Aug 2018**
Deutsches Zentrum für Luft- und Raumfahrt, European Astronaut Centre, Germany

- Shared responsibility for the direction of the team in charge of supporting the European astronauts and their families before, during and after space missions to the International Space Station.
- Represented the European Astronaut Centre in multiple international boards and working groups.
- Managed at the technical level the ESA/NASA accounting agreement on launch and landing of European astronauts to the International Space Station.

EUROCOM Team Lead **Apr 2013 – Feb 2014**
Deutsches Zentrum für Luft- und Raumfahrt, European Astronaut Centre, Germany

- Led the team of flight controllers responsible for real-time voice communication between the Columbus Control Centre and the astronauts on-board the International Space Station (EUROCOM).

- Introduced a new Knowledge Management System in the department.

Astronaut Support Engineer **Jan 2009 – Mar 2013**
HE Space Operations, European Astronaut Centre, Germany

- Implemented real-time voice communication between the Columbus Control Centre and the astronauts on-board the International Space Station (EUROCOM).
- Supervised day-to-day team operations (EUROCOM Inc. Lead) during 3 space missions.

Systems Engineer / Project Manager **Sep 2006 – Dec 2008**
Carlo Gavazzi Space, Italy

- Supported project management and systems engineering efforts in 3+ small satellite projects.
- Contributed to business proposals to the Italian and European Space Agency.

EDUCATION

MBA, Warwick Business School, UK **2017 - 2019**
Modules include: Operations Management, Management Accounting, Strategy.

M.Sc. in Space Studies, International Space University, France **2006 - 2007**
Full scholarship from the European Space Agency.

M.Sc. in Aerospace Engineering, Università di Napoli "Federico II", Italy **2000 - 2006**
Degree awarded cum laude. Multiple scholarships.

ADDITIONAL INFORMATION

- Languages: Italian (native), English (fluent), French (good), German (good), Russian (intermediate)
- Presented 6 papers at international conferences and published one in the peer reviewed Scientific World Journal.
- Developed and published a task list app for the iPhone (https://appsto.re/it/Yr0Gbb.i).
- Interested in astrophotography and spaceflight history (http://dark-skies.net).
- Public speaker and lecturer for the ESA Academy, Space Challenges Programme, as well as the Space Studies and the Masters Programme of the International Space University.

Appendix

PAPERS

- **mobiPV: A New, Wearable Real-Time Collaboration Software for Astronauts Using Mobile Computing Solutions**, A. Boyd, A. Fortunato, M. Wolff, D. Martinez Oliveira, SpaceOps (2016)

- **Space-To-Ground Communication for Columbus: a Quantitative Analysis**, T. Uhlig, A. Fortunato, T. Mannel, N. Illmer, The Scientific World Journal (2015)

- **mobiPV: an Innovative Mobile Procedure Viewer for the International Space Station**, A. Fortunato, M. Wolff, A. Boyd, D. Martinez Oliveira, International Astronautical Congress (2015) - IAC-15-B3.5.3

- **UNESCO-42: Rapid Development of an Earth Observation Support Software for the International Space Station**, O. Lamborelle, A. Fortunato, S. Cristoforetti, International Astronautical Congress (2015) - IAC-15-B3.5.3

- **Space-To-Ground Communication: Origins and Development**, A. Fortunato, O. Lamborelle, International Astronautical Congress (2012) - IAC-12-B6.1.2

- **Building Blocks Architectures**, M. Pastena, A. Fortunato, V. Lo Rizzo, International Astronautical Congress (2008) - IAC-08-B4.7.4

- **OLOS: A Precursor for Low Cost and Effective On-Orbit Servicing**, M. Pastena, A. Fortunato, V. Lo Rizzo, C. Galeazzi, International Astronautical Congress (2008) - IAC-08-B4.6.B10

ONLINE LESSONS

- The International Space Station: http://dark-skies.net/the-international-space-station/

- Human Spaceflight Mission Control Operations: https://www.youtube.com/watch?v=ko8E5pACosY

- The European Experience on the ISS: https://www.youtube.com/watch?v=i9BWLHY0Iqg

- Interview: https://www.youtube.com/watch?v=vCK-VzgRfqY