Session-1: Satellite design for constellations

This session is dedicated to the topics related to how to design a satellite considering the later system lifecycle, i.e. assembly, integration, testing, launch, operation and disposal. Particular interests are how to design the satellite suitable for mass production and streamlined testing.

Session-2: Mass manufacturing for constellations

This session is dedicated to the topics related to the specificities of the large series manufacturing of both full spacecraft as well as subsystems for spacecrafts, in particular for the ones covering the needs for constellations.

Session-3: Testing of constellations

This session is dedicated to the topics related to how to test many satellites made of the same design efficiently and effectively, the tests needed for all the satellites and the tests that can be skipped for some or all the satellites in later generations of constellation, the tests needed for the flight model components delivered for a constellation program, and others.

Session-4: Ground segment and operations of constellations

This session is dedicated to the topics related to how to operate a satellite constellation efficiently and effectively, and the necessary hardware/software needed for such an optimized operation.

Session-5: Applications and technologies of Constellations (imaging, sensing, information, navigation, communications, science, AIs, etc.)

This session is dedicated to the topics related to applications that can be done by a satellite constellation and the technologies needed for such applications.

Session-6: Launch of Constellations

This session is dedicated to the topics related to launch of satellite constellation. The viewpoints from the launch providers regarding the safety-related testing of satellites made of the same design with extensive flight heritage is highly welcome.

Session-7: Lean Satellite technologies, applications, missions, and concept

In this session, participants are invited to present on lean satellite projects, discussing their practical applications, mission concepts, enabling technologies, covering both past (including lessons-learned), current, and future endeavors.

Session-8: Standards

This session is dedicated to the topics related to standards related to lean satellites. Special emphasis is on the revision of ISO-19683 (testing). Other standard related topics, such as CubeSat Interface or a new proposal of standards that will promote the growth of lean satellites is highly welcome.

Session-9: Students and young engineers

This session is dedicated to presentations by students and young engineers regarding lean satellite related topics.