ESC CON 2019
The European Space Component Conference

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What is ESCCON?

ESCCON = European Space Components Conference

ESCCON Policy, responsibilities and procedures defined in ESCC 11302:
Organization of the European Space components Conference

Under the responsibility of the SCSB (ESCC Space Components Steering Board)

Supported by ESCC Members and Observers
ESCCON 2019
Program based on invited speakers only

Previous ESCCONs
2000
2002
2011
2013
2016
2019

Proceedings available at
https://escies.org
ESCCON 2019 - Main Sessions

High performance Components

EEE Components for New Space

Industry 4.0: Implication for high-rel parts

Policy and Strategy on Components for Space

Selected Manufacturer presentations
Standardization
New technology and validation test methods
Harmonization of needs and funding
Project requirements for EEE parts
Supply chain changes
Industrial experience and expectations
ESCC discussion themes

How to match the traditional ESCC qualification approach to the European component market dynamics and offer

How to develop new qualification schemes for non traditional EEE parts: Plastic packages, lead free, recognition of automotive qualification

What is an European Component nowadays?
Challenges faced at ESA

The adoption of components in ESA projects is currently made in line with reliability requirements corresponding to components classifications rather than specific mission and payload profiles.

The conventional/traditional approach to select and qualify a technology or a EEE component should possibly evolve considering possibly more extensive usage of commercial parts.

ESA has initiated internal actions, supervised by a Steering Committee and dedicated Working Groups across all Programme domains to address the use of COTS in ESA projects.
What’s Next at ESA

Evolution of the mission PA requirements

Mission criticality classification scheme for ESA missions

New test methodologies at component level and at module level

Definition of ESA COT/COTS+ Strategy Roadmap to support use in future missions
ESCCON expected outputs

ESCCON main objectives are to contribute to outline a strategy on assuring access to strategic component technologies for future space missions taking into considerations the needs coming from the traditional High-Rel space and the New Space.

Expected outputs are the definition of new methodologies to make state of the art technologies available for future high end missions while understanding and mitigating risks related to the space environment.
Enjoy ESCCON2019!