

## **iSAFT Test Tool for deterministic on-board Ethernet networks**

The presentation will focus on the work performed under an ESA study, for the requirements of using deterministic Ethernet for space avionics, specially focusing on Time Sensitive Networking (TSN). It presents the main avionics requirements with respect to the deterministic Ethernet & the selection of the applicable TSN standards. The specific requirements for network validation and test systems will also be presented. Finally it will present a TSN testbed which has been setup in order to verify the basic protocol properties and to define the roadmap for the development of appropriate test equipment for space avionics.