

Reduction of the harness - The one interface illusion

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In state-of-the-art payloads, harness and interfaces have a significant impact on the design process, needed volume, power consumption and mass. This is mainly due to the selected platform/ payload architecture, the number of interfaces and the use of different interface standards. Besides of this, some interface technologies used today have their origins in the sixties of the last century and were not developed with space applications in mind.

The presentation will focus on the interfaces and corresponding architectures in use today. It is intended to start a discussion on how to improve the situation and give initial ideas, which could be picked-up in the round table discussion.