

## ***Interfacing and Operation of the SpaceWire.Server in the SAVOIR environment***

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The SpaceWire.Server is a new PDHU-Memory development at Airbus Defence and Space Electronics which supports SpaceWire payload architectures of new generation satellites in which payload data, telemetry, telecommands and time synchronisation are passed via the same SpaceWire network. The presentation focuses on the functional interfacing with both payloads & the OBC together with the capability to handle both low speed control & telemetry data with higher & diverse speed instrument data simultaneously. In this context several features are discussed: the robustness of the SpaceWire.Server to be resilient against payload failures; the merits and drawbacks of a multi-user file system; and advanced interface extensions like SpaceWire-D protocol and SpaceFibre.