MOST Cooperation Support for Academia

Karlsruhe (Germany), October 12, 2011 - The MOST Cooperation enhances its partnership with academic institutions. "Academia is one essential partner of the MOST Cooperation in setting up the future roadmap for MOST Technology," stated Dr. Wolfgang Bott, Technical Coordinator of the MOST Cooperation. "In order to stay ahead with this innovative automotive network technology we will provide instructional material to support training on automotive network technologies. In addition, we are intensifying our partnership by collaborating more closely in research and development as well as validations and verifications of new technology aspects."

The instruction set contains presentation slides and the electronic MOST brochure as well as the latest edition of the MOST book. On individual request, specific demos and individual support by MOSTCO members may be added. The presentation begins with an overview of MOST application examples, frames, speed grades and basics. Subsequently, a section on the MOST object model introduces the MOST Application Framework with FBlocks, functions, and operations. The device independent communication architecture will be explained and communication mechanisms such as notification, shadows, and service discovery will be shown. Next, the MOST electrical and optical physical layers and the corresponding components, as well as the Network Interface Controller, will be introduced. Following sections cover the streaming mechanisms, including allocation, bandwidth administration and connection management for both synchronous and isochronous streaming. Details of the control channel include the control message structure, transmission control, addressing on MOST, central registry, and segmentation. All academia such as colleges, universities, universities of applied science, scientific institutions, etc. will benefit from MOSTCO's support by receiving high-level information first-hand from the experts of the world of infotainment.

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