

Special Issue

Toward Cognizant Cyber-Physical Systems: Addressing Fundamental Transdisciplinary Issues

Message from the Guest Editor

Though research in smart cyberphysical systems (SCPSs) and their design methodologies has yet not reached its hype, many researchers have initiated research toward cognizant cyber-physical systems (CCPSs), which offer even higher-level cognitive capabilities. Cognizance is deemed the next challenging level of intellectualization that cyber-physical systems can achieve. The development of this class of intellectualized engineered systems necessitates the use of multi- and transdisciplinary research approaches and knowledge. The reason is that fundamental insights and scientific knowledge are probably still missing, as well as dedicated design/implementation methodologies and effective information technological solutions.

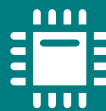
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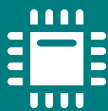


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