DESCRIPTION

Internet of Things; Engineering Cyber Physical Human Systems is a comprehensive journal encouraging cross collaboration between researchers, engineers and practitioners in the field of IoT & Cyber Physical Human Systems. The journal offers a unique platform to exchange scientific information on the entire breadth of technology, science, and societal applications of the IoT.

The journal will place a high priority on timely publication, and provide a home for high quality: Full Research papers Survey Papers Actual Open Software and Data Tutorials and best practices Case studies Whitepapers

Furthermore, IOT is interested in publishing topical Special Issues on any aspect of IOT. Please contact the Editor in Chief with a proposal for a Special Issue and a questionnaire for a Special Issue.

The scope of IoT comprises four main blocks to cover the entire spectrum of the field. From Research to Technology, from Applications to their Consequences for life and society.

Theory and fundamental research
Research that addresses the core underlying scientific principles dealing with the analysis and algorithmics of "IoT ecosystem" as a multicomponent system with complex and dynamic dependences at large-scale, such as: New formal methods research to create abstractions, formalisms and semantics at IoT layer. Research on the unique IoT challenges in security, reliability and privacy. High-level policy languages for specifying permissible communication patterns.

Software development, technology and engineering
Key enabling IoT technologies related to sensors, actuators and machine intelligence. Development and deployment IoT tools and platforms to ensure security, reliability and efficiency, such as: Device software development, such as minimal operating systems. Secure communication of IoT with other software layers from edge computing to the Cloud. IoT software designs, including addressing security at design phase. Best practices for IoT (software) development, test beds and quality assurance. Sensors and actuators

Applications of IoT
New Applications of connected products and/or connected business processes to create new business value and business models. We are looking for contributions, and lessons learned, from researchers applying IoT in various domains including but not limited to: Energy (smart grids, meters & appliances,

Societal aspects of IoT
Keeping humans in the loop is vital. Research in cyber-human systems that reflect human understanding and interaction with the physical world and (semi) autonomous systems. Societal, political and social impacts of the IoT. Ethics & (proposed) laws & regulations. Human Technology Interaction - at scale. Emerging standards and technology in human life. And of course hot issues, such as auditing, liability and social vulnerabilities.

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INSPEC

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