



CALL FOR PAPERS

ICSCPSSEPSE 2020
Apr 16-17, 2020
Cape Town, South Africa

The International Research Conference is a federated organization dedicated to bringing together a significant number of diverse scholarly events for presentation within the conference program. Events will run over a span of time during the conference depending on the number and length of the presentations.

ICSCPSSEPSE 2020 : International Conference on Smart Cyber Physical Systems from the Software Engineering Perspective and Software Engineering is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Smart Cyber Physical Systems from the Software Engineering Perspective and Software Engineering. The conference will bring together leading academic scientists, researchers and scholars in the domain of interest from around the world. Topics of interest for submission include, but are not limited to:

Software development processes for sCPS applications
sCPS Software development life cycle models, issues and management
Multi-paradigm modeling in sCPS
Inter-disciplinary approaches for building sCPS applications
Architectural design approaches for sCPS
Software-based reliability and availability of sCPS
Integration challenges for sCPS systems and components
Interoperation issues across platforms and components for sCPS
sCPS software requirements engineering
Verification and validation procedures and tools for sCPS applications
Deployment and operational challenges of sCPS systems
Managing uncertainties and emergent behaviors in sCPS environments
Standardization efforts for sCPS software components

Integration of cloud and fog computing with sCPS systems
Addressing specific sCPS software requirements like mobility, localization and real-time processing
Incorporating intelligent software in sCPS applications
Integrating big data analytics tools and algorithms for sCPS applications
Addressing software security issues in sCPS systems
Scalability of sCPS applications
Software design and development of domain specific sCPS applications such as:
Smart manufacturing and Industry 4.0
Smart healthcare systems
Smart grids and utility systems
Smart energy management systems
Smart transportation systems
Smart city applications

