

*International Journal of*

# **Social Computing and Cyber-Physical Systems**

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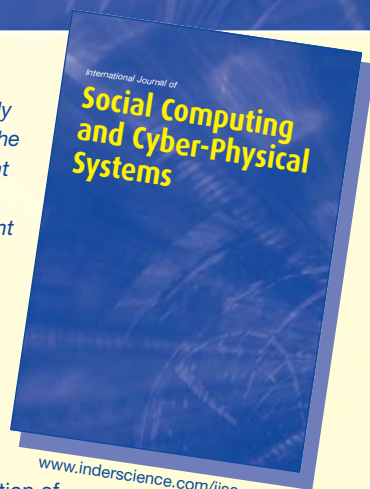
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# Scope of the Journal

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*Social computing and cyber-physical systems can be broadly defined as computational facilitation of social systems and the integration of computation with physical processes. The tight combination and coordination between systems' computational, physical, and social elements make it different from other forms of systems. Social computing and cyber-physical systems have recently become a central theme across a number of information and communication fields and attracted significant interest of researchers from computer science, computer engineering, electronic engineering, etc.*



## Topics covered include:

- Cyber-physical system architectures and infrastructures
- Cyber-physical system integration and coordination
- Cyber-physical system design methodology and tools
- Cyber-physical system engineering and component developments
- Social computing theories, system design and architectures
- Social network analysis/mining, behaviour modelling, semantic web
- Social computing in cyber-physical systems
- Integration of computing/physical/social components
- Security, privacy, trust, risk
- Novel applications, e.g.
  - collaborative filtering, bookmarking, tagging, multi-agent systems
  - sensor-based systems, autonomous automotive systems avionics,
  - medical monitoring, process control systems, distributed robotics
  - environmental science, etc.

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