

Special Issue on New Trends in Adaptive Smart Systems, Services, and Architectures in Concurrency & Computation: Practice & Experience

Special Issue on **New trends in Adaptive Smart Systems, Services, and Architectures** is open for submission September 2017 with theme given below

Smart Systems are composed of interconnected nodes (devices, services, components, etc.) that can be intelligent, mobile, embedded, cloud-based, or/and adaptive. These nodes interact together through new communication protocols. Architectures of such system needs to adapt its behavior and deals with change in the environment. An adaptive and reconfigurable architecture can repair itself if any execution problems occur, in order to successfully complete its own execution. In the design of an adaptive and reconfigurable software system, several aspects have to be considered. Also other emerging areas such as Big data can also be used to solve traditional problems of Smart Systems, like scalability and performance.

Topics

- Monitoring simple and composite architectures, components and services
- Dynamic reconfiguration of cloud and smart applications
- Internet of things for smart systems
- Cloud-based Smart Systems
- Design for the diagnosability and repairability
- Big data for smart systems
- Mobile collaboration platforms and services
- Predictive management of adaptability
- Experiences in practical adaptive and reconfigurable architectures, services, and smart applications
- Tools and prototypes for managing adaptability of smart applications
- Smart systems architectures: Modeling, Validation, Verification, Scaling

The guest editors of the special issue are:

- Khalil Drira, LAAS-CNRS and Université de Toulouse, France
- Mohamed Jmaiel, ReDCAD, University of Sfax, Tunisia

Authors may submit extended versions of the WETICE conference paper, but they must have at least 50% new content. Manuscripts must follow these guidelines:

- Submit at [Manuscript Central](#) as wetice2017 special issue
- Submissions must be prepared for publication according to the journal [submission guidelines](#)

Important dates:

- Submission deadline: September 1, 2017
- Camera-ready paper due: September 1, 2018