Scalable Computing and Communications

Editor-in-Chief: A.Y. Zomaya

- Consolidates a wide range of research activities dealing with scalability matters
- Promotes collaboration between entities and resources, a necessity for complex scientific, industrial, and business applications.
- Addresses scalability in areas such as circuit and component design, software, operating systems, networking and mobile computing, cloud computing, computational grids, peer-to-peer systems, and high-performance computing.
- Targets applications to include weather forecasting, computational biology, telemedicine, drug synthesis, vehicular technology, design and fabrication, finance, and simulations.

Scalable Computing and Communications is a peer-reviewed, archival journal devoted to state-of-the-art scalable computations and communications at the component, software, hardware, and system levels. The journal aims to consolidate the numerous research activities dealing with scalability in areas such as circuit and component design, software, operating systems, networking and mobile computing, cloud computing, computational grids, peer-to-peer systems, and high-performance computing.

The journal will consider high-quality research from general fields of computer sciences, information sciences, and information engineering, providing a multi- and interdisciplinary venue for scalability issues. The topics presented will be a valuable resource to researchers and practitioners who apply scalable computing in their respective domains, such as biology, chemistry, medicine, mechanics, materials science, and all fields of engineering. Scalability topics dealing with sustainable computing, energy efficiency, energy-intelligence, power-aware, and thermal-aware computing will also be considered.

The journal publishes original research papers, survey articles, and various commentaries on published papers that are within the scope of the journal, as well as essays on current scalability issues.

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