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Call for papers

A special issue on
Security in grid and distributed systems

5 Scope

The proliferation of services and applications in both Internet-based and ad hoc-based environments has been bringing network and system security issues to the fore. The past few years have seen significant increase in cyber attacks on the Internet, resulting in degraded confidence and trusts in the use of Internet and computer systems. We also expect to see more attacks and threats on the coming wireless ad hoc and sensor networks soon because of their resource constraints. There is a consensus that a key contributing factor leading to cyber threats is the lack of integrated and cohesive strategies that extend beyond the network level, to protect the applications and devices at system level as well. There is an increasing demand for measures to guarantee the privacy, integrity, and availability of resources in networks and in distributed systems, such as Grid, P2P systems, and wireless sensor networks. This special issue will cover various topics on security in Grid and distributed systems.

The topics of interests include, but not limited to

- Distributed denial of service attacks.
- Malicious node detection.
- Access control and authentication.
- Security under resource constraints (e.g., energy, storage, and cpu).
- Distributed intrusion detection and protection systems.
- Privacy and anonymity.
- Cryptographic protocols.
- Security in e-commerce.
- Security in peer-to-peer and overlay networks.
- Security in mobile and pervasive computing.
- Security architectures in networks and distributed systems.
- Security theory and tools in networks and distributed systems.
- Information hiding and multimedia watermarking in distributed systems.
- Web content secrecy and integrity.
- Trust establishment, negotiation, and management.

Paper submission

Prospective authors are invited to submit their original and previously unpublished papers. Submission to this journal proceeds totally online. Via the "Author Gateway" page of this journal (<http://ees.elsevier.com/jpdc>), you will be guided stepwise through the creation and uploading of the various files. The system automatically converts source files to a single Adobe Acrobat PDF version of the article, which is used in the peer-review process. Please note that even though manuscript source files are converted to PDF at submission for the review process, these source files are needed for further processing after acceptance. All correspondence, including notification of the editor's decision and requests for revision, takes place by e-mail and via the author's homepage, removing the need for a hard-copy paper trail. It can be advantageous to print the "Guide for Authors" section from the site for reference in the subsequent stages of article preparation.

Important dates

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Special issue Guest Editors 67

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