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Special Issue on Advances and Challenges of Security in Web and Pervasive Computing Environments

Web and Pervasive Environments (WPE) are emerging rapidly as an exciting new paradigm including ubiquitous, web, grid, ubiquitous and peer-to-peer computing to provide computing and communication services any time and anywhere. In order to realize their advantages, it requires the security services and applications to be suitable for WPE. If they are realized, a user will be able to remotely access and control all information and web appliances in the workplace as well as at home and office, easily and conveniently use various services to enable working at home, remote education, remote diagnosis, virtual shopping, network gaming, and high quality VOD with no limitations on space and time.

This special issue will provide an opportunity to discuss protocols and protocol characteristics with researchers and users that are using them for solving their scientific problems. Also it is intended to foster the dissemination of state-of-the-art research in the area of secure WPE including security models, security systems, application services and novel security applications associated with its utilization. Also, We plan to publish high quality papers, which cover the various web and security issues and practical applications in WPE.

Topics

Topics of interest include, but are not limited to:

- Security web-based collaboration applications and services
- Model for secure web services
- Sensor networks / RFID application and security for WPE
- Intelligent multimedia security services for WPE
- Key management and authentication in WPE
- Network security issues and protocols in WPE
- Access control in WPE
- Privacy protection in WPE
- Cryptographic algorithms for WPE
- Data privacy and trustiness for WPE
- Forensics issues for WPE
- Privacy and anonymity for WPE
- Security in P2P networks and Grid computing in WPE
- Trust management in WPE
- Commercial and industrial applications for WPE

Submission

Authors should follow the International Journal of Security and Its Applications manuscript format described below at the journal site : <http://www.sersc.org/journals/IJSIA>. Manuscripts should be emailed to the guest editors as only pdf or MS-word.

This special issue additionally selects best papers from the WPS 2008 (<http://www.sersc.org/WPS2008>), Hong Kong, March 2008.

Schedule

- Submission due date: April 30, 2008
- Notification of acceptance: June 30, 2008
- Camera ready due date: July 31, 2008
- Publication date: 3rd or 4th quarter, 2008 (tentative)

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