

## Special Issue on “Advanced Systems, Software, and Applications for Future Internet Communications”

### Theme and Scope

The Future Internet Communications (FIC) represents an interdisciplinary field with roots in IT and engineering with applications in future internet environments including Mobile Internet, Cloud, Ubiquitous, and P2P communications. It aims to solve the various problems of advanced internet and communication services using IT and computer science in future internet environments and to the various theories, modeling, and practical applications for FIC Software. This special issue is intended to foster the dissemination of state-of-the-art research in the area of advances in advances of systems, software, and services and applications for FIC. The papers should not be submitted simultaneously for publication elsewhere. Submissions of high quality papers describing mature results or on-going work are invited. The best high quality papers from “The 2011 FTRA International Conference on Advanced Software Engineering - ICASE-11 (Korea, May 2011)” will be published in this special issue of Journal of Internet Technology on “Advanced Systems, Software, and Applications for Future Internet Communications”.

#### Topics of interest include, but are not limited to:

##### Emerging Issues in FIC System and Software

- Software engineering issues in mobile and pervasive computing
- Software engineering issues in real-time and embedded systems
- Advanced visualization techniques and prototyping
- System and Software and knowledge-ware maintenance

##### System and Software Architecture, Design for FIC

- Design methodologies
- Architecture guidelines
- Technical descriptions of practical experiences in the field
- Reverse engineering in design

##### Verification, Testing, and Formal Methods for FIC System and Software

- Analysis and simulation techniques and systems
- Formal & design methods
- Practice and experience, Testing, verification and validation techniques
- Quality assurance

##### Security, Dependability and Performance for FIC

- Security issues
- Dependability and measurement, Performance issues
- Service orientation

##### Processes and methodologies for FIC

- Agile SW development
- SW engineering methods and practices & tools
- SW development environments and tools
- Process models & Meta models

Authors are invited to submit manuscripts reporting original unpublished research and recent developments. Manuscripts should be written in English and strictly follow the guideline of the Journal of Internet Technology at <http://jit.ndhu.edu.tw/preparation2.php>. The covering letter should indicate the names of the authors and their affiliations, addresses, faxes, and e-mails. Authors can refer to sample format can be download from <http://jit.ndhu.edu.tw/doc/002.doc>. Prospective invited authors from ICASE-11 should submit full manuscripts with MS Word format, .doc, electronically by e-mail to Guest Editor, Prof. Sang-Soo Yeo, at [ssyeo2010@gmail.com](mailto:ssyeo2010@gmail.com)

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