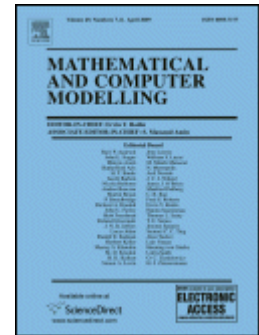


Mathematical and Computer Modelling Journal (Elsevier)

Call for Papers

Special issue on: Telecommunications Software Engineering: Emerging Methods, Models and Tools



Telecommunications software engineering involves the application of engineering methods in the development of telecommunications software through the usage of systematic and disciplined qualitative and quantitative studies. Software engineering, as such, is amongst the younger generation engineering disciplines, which is still far from reaching the stage of maturity. Software processes are more complex than traditional manufacturing processes and are very poorly understood. Telecommunication systems are very complex and the application of not so well development software engineering processes for the development of these systems adds to the complexity. Lots of works are undertaken worldwide on telecommunications software engineering. As new and attractive telecommunications technologies emerge every year, new software engineering methods, models and tools are required for supporting the development and the maintenance of the increasingly complex systems. This Special Issue will dedicate to cataloguing excellent works on all phases of telecommunication systems software development including requirements, design, development, testing, maintenance, supporting algorithms and protocols. Telecommunication topics of interest include, but are not limited to:

- Optical communication systems
- Cellular communication systems
- Broadband wireless access systems
- Wireless Internet
- Software defined radio
- Bluetooth technology
- Ultra-wide band radio
- Emerging Ad Hoc and Sensor Networks
- Wireless Mesh Networks
- IEEE 802.11/802.20/802.22
- Emerging issues in 3G and 4G wireless networks
- Multimedia over emerging wireless networks
- Underwater sensor networks
- Very low-powered sensors
- Cooperative wireless communications
- Multi-hop relay wireless communications
- Emerging wireless network security issues
- Wireless telemedicine and e-health

Guest Editor:

Isaac Woungang

Department of Computer Science

Ryerson University

Toronto, Ontario, Canada.

E-mail: iwoungan@scs.ryerson.ca

Submission Details:

Original, high quality contributions that are not yet published or that are not currently under review by other journals or peer-reviewed conferences are sought. Manuscripts should be submitted online at <http://ees.elsevier.com/mcm/>. Please mention the special issue title in the covering letter. Until this is done, the paper will not be accepted for this Special Issue. General instructions for authors can be found at http://www.elsevier.com/wps/find/journaldescription.cws_home/623/description#description. Contributing authors might also be asked to review some of the papers submitted to this special issue.

Important Dates:

Manuscript Due: October 15, 2009.

Acceptance Notification: December 31, 2009.

Camera-Ready Final Manuscript Due: February 1, 2010.

Publication Date: TBD.