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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 developed 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
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