



#### Guest Editors:

Dr. Nicola Marchetti  
Center for TeleInfrastruktur,  
Aalborg University, Denmark  
Email: [nm@es.aau.dk](mailto:nm@es.aau.dk)

Dr. Simone Frattasi  
Plougmann & Vingtoft  
Copenhagen, Denmark  
Email: [sf@es.aau.dk](mailto:sf@es.aau.dk)

#### Important Dates:

Paper submission:  
**15 January, 2010**  
Acceptance notification:  
**01 March, 2010**  
Final papers:  
**01 April, 2010**  
Publication:  
**Spring 2010**

#### Submission Guidelines:

Manuscripts and any supplementary material should be submitted through Elsevier Editorial System (EES). The authors must select "SI: Applied Sciences-Marchetti" when they reach the "Article Type" step in the submission process. The EES website is located at <http://ees.elsevier.com/comcom/>.

## CALL FOR PAPERS

### Special Issue of Computer Communications on *Applied Sciences in Communication Technologies*

<http://www.elsevier.com/locate/comcom>

The inter-disciplinary approach is becoming a trend in scientific and engineering communities. This trend is confirmed by the strong connections between communication engineering and pure sciences (e.g. mathematics and physics), which applied to the former show to be extremely powerful tools.

This Special Issue provides an ideal platform for worldwide scientists and engineers to address and disseminate cutting-edge research works focusing on the current and potential connections between pure sciences and communication engineering, highlighting the beneficial synergies among these research areas.

Topics of interest include, but are NOT limited to:

- :: **Recent Advances in Information Theory**
- :: **Number Theory Applied to Communication Technologies**
- :: **Game Theory for Communication Technologies**
- :: **Optimization and Control of Wireless Networks**
- :: **Self-Organizing Networks and Recent Advances in Network Theory**
- :: **Graph Theory applied to Communication Networks Modeling**
- :: **Statistical Modeling of Wireless Channel and Networks**
- :: **Wavelets and Multi-Rate Signal Processing**
- :: **Quantum Communications**
- :: **Bio-Inspired Algorithms for Information and Communication Technologies**
- :: **Machine Learning for Information and Communication Technologies**
- :: **Sustainable "Green" Communications**

#### Submission Format:

The submitted papers must be written in English and describe original research which is not published nor currently under review by other journals or conferences. Author guidelines for preparation of manuscript can be found at [www.elsevier.com/locate/comcom](http://www.elsevier.com/locate/comcom). For more information, please contact the guest editors or Co-Editor-in-Chief, Mohammed Atiquzzaman ([atig@ou.edu](mailto:atig@ou.edu))