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## **Special Issue on Security and Privacy in Communication Systems and Networks**

The rapid advancement of communication technologies has revolutionized human's lifestyles by providing the best convenience and flexibility ever in accessing the Internet services and various types of personal communication applications. For instance, with the emerging wireless communication technologies, healthcare industry now is offering high quality services to patients with low costs through a variety of applications enabled by wireless and information technologies. This is because these wireless-equipped healthcare systems enable remote and continuous monitoring of patients' health status in both residential settings and outdoor settings, where patients feel more comfortable and their activities are less restricted. Early detection of emergency situations via wireless communications makes it possible to provide timely first-aid and access patient's health information in a pervasive manner, thereby improving reliability and efficiency of our health care system. Although huge potential benefits are widely recognized, there are many challenges especially with respect to security and privacy issues.

The objective of this special issue is *to bring together state-of-the-art contributions on the modeling, designing, implementation, deployment, and management of computer/network security systems, architectures and protocols*. We solicit contributions to the evaluation, optimization, and/or enhancement of security mechanisms for current technologies as well as new designs for efficient security and privacy solutions of emerging technologies, e.g., M2M Communications. High quality and original research papers are solicited in all related areas of emerging communication systems and network technologies. Topics of interest include, but are not limited to:

- Security design for cognitive radio networks
- Security and privacy in M2M and its applications
- Key distribution and management
- Security design for sensor/Ad Hoc networks
- Security and privacy in VANETs
- Security and privacy in Healthcare
- RFID security
- Cross layer approach to security
- Secure cooperation in wireless networks
- Network coding security
- Social network security
- Mobile code security
- Distributed system security
- Forensic applications and techniques in communication systems and networks

### **Submission Guideline**

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. Submissions should follow the author guidelines of Journal of Communications and the complete instructions for prospective authors can be found at <http://www.academypublisher.com/jcm/authorguide.html>. For further questions or inquiries, please contact Dr. Xiaodong Lin at [xiaodong.lin@uoit.ca](mailto:xiaodong.lin@uoit.ca).

### **Important Dates**

<b>Paper submission deadline</b>	<b>August 15, 2011</b>
<b>Acceptance notification</b>	<b>November 30, 2011</b>
<b>Final manuscript due</b>	<b>January 1, 2012</b>
<b>Tentative publication date</b>	<b>2nd Quarter, 2012</b>

### **Guest Editors**

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