

Special Issue on

“Machine 2 Machine Communications: Applications, Architectures and Protocols”

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INTRODUCTION

The next generation networks will have to support various communication technologies and integrate different devices. M2M (Machine to Machine) which covers various technologies, including sensing, communications, computing, data processing and control technologies support diverse devices to communicate with each other becomes an indispensable component for next generation network, e.g. IoT (Internet of Thing) and cyber physical systems. Nowadays, M2M is widely applied to lots of applications and serves, even led to M2H (Machine to Human) and M2S (Machine to System) in the future. On the other hand, it illustrates the automatic end-to-end systems that provide smart and convenient services to users. Therefore, this special issue aims to address a variety of technical challenges and advanced solutions in the applications, architectures and protocols of Machine 2 Machine communications.

SCOPE OF CONTRIBUTIONS

This special issue will provide a widespread overview of the design and development in applications, architectures and protocols in the field of the Machine 2 Machine communications. This issue seeks original research papers to provide timely information on this area. We accept only overview papers and tutorial and survey-style papers describing novel ideas and technologies. Specific topics include, but not limited to, the following:

SCOPE AND INTERESTS:

- Network Architectures for M2M
- M2M Applications and System Development
- Sensing, Computing, and Controlling Technologies for M2M
- M2M Communication Management and Operations
- M2M Resource Management
- Reliability, Security and Privacy for M2M
- M2M Communication Protocols
- M2M Spectrum Managements
- M2M in Vehicular Communications
- M2M in Smart Robots
- M2M in Home Networks
- M2M in Cyber-physical Systems
- M2M in Healthcare

Original, high quality contributions not yet published or not currently under review by other journals or peer-reviewed conferences, are sought. All papers should be submitted through the KSII Transactions on Internet and Information Systems

journal's manuscript submission menu in <http://www.itiis.org/>. A copy of the manuscript should also be emailed to the Guest Editor, Prof. Han-Chieh Chao at hcc@niu.edu.tw as PDF file.

IMPORTANT AUTHOR GUIDE:

- Papers should be tutorial in nature and should be written in a way for readers outside the specialty of the paper to understand very easily.
- Mathematical equations should not be used. For the necessary case only, 3~4 simple equations could be allowed.
- NO more than 5000 words are allowed but exceptionally page limitation is NOT applied to survey papers.
- Figures and tables should be very clear and high resolution.
- Select the "Special Issue Paper-Machine 2 Machine Communications" in the manuscript type menu of the ScholarOne manuscript submission system.

IMPORTANT DATES:

Submission Deadline: **September 1, 2011**

Review Results: October 31, 2011

Publication: **January, 2012**

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