



Call for Papers



Journal of Internet Technology

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Special Issue on **Integration of IoT with Future Internet**

Theme and Scope

The Internet of Things (IoT) is the terminology used for uniquely identifiable objects (or, things) and their virtual representations in an Internet-like structure. The idea of IoT considers same ubiquitous environment as that is for ubiquitous or pervasive computing. Basic difference between pervasive computing and IoT is that when the same setting is seen from the conceptual angle, it is termed pervasive environment but when seen from the angle of identifiable objects taking part in the system, it is called IoT, an Internet-like network of networks. IoT is often considered to be an integrated part of Future Internet. However, the conceptual definitions of these two, separate them in various ways. While IoT is clearly defined by this time, Future Internet is still standing as a cloudy term. Future Internet refers to a wide variety of research issues related to the idea of some kind of huge network of networks that can connect numerous networking devices around the globe. The objective is to get an Internet like establishment but not in the way we have it today. Some new vision and ideas are sought for. If simply a relatively faster and larger Internet with new devices and technologies is brought forward at the end, it could end up just as an extension of the current Internet that we have. As the basic vision behind Future Internet is that it is not the Internet that we have seen so far, it may have a new way of operational method, it may have a new method of connecting devices, and there might be even complete clean-slate approach of developing it. As the full operational definition is not yet finalized, there are numerous research issues that can be worked on. This special issue is envisioned to compile the most recent works on the recent advancements in the IoT and Future Internet technologies. Any work combining both issues is most welcome. Also, any work pertaining to the integration or separation of IoT and Future Internet will be considered. **A list of sample topics are mentioned below though the list should not be considered exhaustive (*all works must be related to IoT or Future Internet*):**

- Exploitation of embedded processors and IP connectivity
- Global device positioning
- Data services architecture in Future Internet
- RFID and Sensor technologies in IoT and Future Internet
- Resource management in small devices
- Software imperative
- Heterogeneous network integration
- Global supply chain security
- Governance, security, and socio-economic factors
- Autonomous and controlled networks
- Wireless technologies in IoT and Future Internet
- Energy saving and green computing in Future Internet

Instructions for Manuscript Submissions

This special issue aims to foster state-of-the-art research in the relevant areas as mentioned above. 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 <http://jit.niu.edu.tw/preparation2.php>. The covering letter should indicate the names of the authors and their affiliations, addresses, and e-mails. Submission should be e-mailed as an **all-in-one PDF** or **Word** file directly to the *corresponding editor*, **Al-Sakib Khan Pathan** on or before **December 15, 2012**. (CC to others is encouraged). Conference papers should be extended at least 30% or above and must be attached also.

Important Dates

Manuscript Submission Due:	December 15, 2012	
Notification of Acceptance/Rejection/Revision:	April 15, 2013	
Revised Manuscript Due:	May 15, 2013	
Tentative Publication Date:	TBA	

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