

# Call for Papers IIKI2013

=====

The International Workshop on Identification, Information and Knowledge in the Internet of Things

Oct. 26-28, 2013 BEIJING, CHINA

<http://ireg.bnu.edu.cn/IIKI2013/>

Recent advances in technologies such as RFID, sensor networks and NFC are bringing the vision of the Internet of Things – intelligent data-enabled devices connected to the pervasive internet infrastructure – closer to reality.

Creating the Internet of Things has many emerging challenges: the integration and management of heterogeneous data, the integration and transfer of enriched data, the effective use of knowledge-based decision systems, retrieval and sharing of knowledge automatically from huge volumes of data, ensuring security and protecting privacy.

This international workshop provides the growing technical and scientific community developing around the Internet of Things with a dedicated high-quality forum where the latest research findings around identification, information and knowledge can be exchanged, new developments can be explored and real-world systems can be discussed.

## Tracks and topics:

- =====
- Information processing, and knowledge engineering for the Internet of Things
    - Knowledge retrieving and sharing mechanisms in the Internet of Things
    - Integration of heterogeneous information for the Internet of Things
    - Reasoning algorithms for the knowledge systems in the Internet of Things
    - Technologies of data management and integration in the Internet of Things
    - Data Mining in the Internet of Things
    - Context Awareness in the Internet of Things
    - Interoperability including Semantic interoperability in the Internet of Things
    - Intelligent applications of the Internet of Things
  - Identification, security, and privacy
    - Identification technologies in the Internet of Things
    - Privacy protection in the Internet of Things
    - Security issues of the Internet of Things
    - Data security based on character graphy
    - Digital publishing based on character computing
    - Social influence of the Internet of Things
  - Business models for the Internet of Things
    - Business models designing in the Internet of Things
    - Business information processing in the Internet of Things
    - Management information systems of the Internet of Things
    - Enterprise knowledge management in the Internet of Things
    - Business factors for the developing of the Internet of Things
    - Applications, services, and things in the IoT Enterprises
  - Software engineering in the Internet of Things
    - Service oriented computing in the Internet of Things
    - Development methodologies for IoT-based applications;
    - Testing, debugging, validation, and QoS modeling of Internet of Things applications;
    - Formal verification and model-checking for Internet of Things applications;
    - Middleware systems for Internet of Things
  - Mobile computing

- Mobile health and e-Health applications and solutions
- Mobile education, including mobile learning and mobile course solutions
- Mobile tracking services in the Internet of Things
- Modeling, simulation, emulation and measurement of mobile systems

## Submission Details

=====

We encourage submissions of full papers and position papers presenting novel ideas that may lead to insightful technical discussions at this workshop. Papers should contain original contributions not published or submitted elsewhere, and references to related state-of-the-art work.

Please submit papers at the website: (<http://www.easychair.org/>).

## Publication

=====

The workshop has selected three high-quality international journals that will carry selected papers from the workshop in specially commissioned theme issues. More special issues in international journals would be selected for this workshop in the coming future.

- The Computer Journal (ISSN: 0010-4620, SCI IF: 0.785) for articles on computer networking and communications;
- Personal and Ubiquitous Computing (ISSN: 1617-4909, SCI IF: 0.938) for longer contributions and expanded papers on ubiquitous computing;
- Communications in Mobile Computing (ComC) (ISSN: 2192-1121), a Springer Open Access online-only journal, for selected short papers on mobile computing issues in the IoT. Open access fees will be waived for papers in this collection.

Note: Almost all submissions to IIKI2012 have been published to IIKI2012 have been published to SCIANd EI indexed international journals.

## Important Dates

=====

- Paper Submission Deadline: Aug. 10, 2013
- Paper Acceptance Notification: Sep. 10, 2013
- Camera-ready Paper Submissions: Sep.20, 2013
- Workshop Date: Oct. 26-28, 2013

## General Chairs

=====

- Xiuzhen Cheng, The George Washington University, USA
- Peter Thomas, Manifesto Group
- Rongfang Bie, Beijing Normal University, China

## Program Co-Chairs

=====

- Yunchuan Sun, Beijing Normal University, China

- Antonio J. Jara, University of Murcia, Spain
- Robert Macredie, Brunel University, UK
- Phil Stenton, Falmouth University, UK

## **Program Committee Members**

- =====
- Alessandro Bassi, Alessandro Bassi Consulting, IoT Working Group of the EU Technological Platform EPoSS, (IoT-A) FP7 IP project for Hitachi, Ltd, France
  - Walid Gaaloul, TELECOM SudParis, France
  - Rob van Kranenburg, Think tank Council for IoT & Expert Group on IoT for EC, Belgium
  - Ebrahim Bagheri, Athabasca University and University of British Columbia, Canada
  - Benoit Christophe, Alcatel-Lucent Bell Labs, France
  - Charalampos Doukas, University of the Aegean, Greece
  - Xiaozhi Gao, Helsinki University of Technology, Finland
  - Junqi Guo, Beijing Normal University, China
  - Qing He, Beijing Normal University, China
  - Charles J. Kim, Howard University, USA
  - Song Li, Beijing Normal University, China
  - Jin Liu, New Jersey Institute of Technology, USA
  - Xiangfeng Luo, Shanghai University, Shanghai, China
  - Ilias Maglogiannis, University of Central Greece, Greece
  - Chengming Qi, China University of Geosciences (Beijing), China
  - Yu Shi, Beijing REN JU ZHI HUI Technology Co. Ltd, China
  - Yukinori Suzuki, Muroran Institute of Technology, Japan
  - Jarno M. A. Tanskanen, Tampere University of Technology, Finland
  - Shenling Wang, Beijing Normal University, China
  - Junsheng Zhang, Institute of Scientific and Technical Information of China, China
  - ZhangBing Zhou, China University of Geosciences (Beijing), China & TELECOM SudParis, France
  - Qingsheng Li, Anyang Normal University, China
  - Houbing Song, West Virginia University, USA
  - Yongping Xiong, Beijing University of Post and Telecommunications, China
  - Guicheng Shen, Beijing Wuzi University, China
  - KlausMarius Hansen University of Copenhagen, Denmark

## **Contact**

=====

Please contact Yunchuan Sun ([yunch@bnu.edu.cn](mailto:yunch@bnu.edu.cn)) for further enquiries about this workshop.