



# Call for Papers IET Networks

**OPEN ACCESS  
PUBLISHING NOW  
AVAILABLE**

**Editor-in-Chief:** Han-Chieh Chao, National Ilan University, Taiwan

## Special Issue: Advances in Internet of Things for Healthcare Systems

The Internet of Things (IoT) is rapidly gaining ground as a hot topic in the scenario of wireless sensor networks. Significant advancement in the IoT has generated a large number of opportunities for innovation across both academic and industrial communities, particularly the field of healthcare. Due to the exponential growth of wearable devices and mobile applications, a promising trend in healthcare appears that the IoT enabled technology is transforming the traditional hubs of healthcare, such as hospitals and clinics, to the personalized healthcare systems and especially the mobile environment. The successful utilization of IoT enabled technology in healthcare can enable faster and safer cure, low costs, improved doctor-patient relationships, personalized treatment and enhanced sustainability.

Unfortunately though, empowering the utility of IoT enabled technology in healthcare systems is challenging due to the lack of standardization of IoT system architectures, heterogeneity of wearable devices connected, multi-dimensionality and high volume of data generated, and high demand for interoperability. The goal of this special issue on Advances in Internet of Things for Healthcare Systems is to bring together researchers and practitioners from both academia and industry into a forum, to present the state-of-the-art research and applications in utilizing IoT enabled technology for healthcare systems by presenting efficient scientific and engineering solutions, addressing the needs and challenges for integration with new technologies, and providing visions for future research and development.

The theme of the proposed special issue is on the development and application of advanced IoT technologies for personal healthcare applications, where IoT architectures, services, applications, and data analytics for healthcare applications are the focus areas, and broad aspects and issues will be well discussed. The aims of the special issue are (1) to present the state-of-the-art research on utilizing IoT enabled technology for healthcare systems, and (2) to provide a forum for experts to disseminate their recent advances and views on future perspectives in the field.

### Topics include but are not limited to:

- IoT system architecture in healthcare
- Network communications for health sensor data
- Wearable sensor integration for healthcare
- Emerging eHealth IoT applications
- Cloud technologies for IoT healthcare
- Optimization of healthcare systems and data transmission
- Life-logging devices and technologies
- Data mining and exploration of health data
- Digital health
- Standards and interoperability in IoT healthcare
- Security and privacy in IoT healthcare
- Predictive modelling for improving healthcare
- Personalized and patient centric healthcare

All submissions are subject to the journal's peer-review procedures. The authors should follow the journal's Author Guide at <http://digital-library.theiet.org/journals/author-guide>.

### For enquiries regarding this Special Issue please contact the Guest Editors:

**Dr Po Yang**  
Liverpool John Moores University  
E: [p.yang@ljmu.ac.uk](mailto:p.yang@ljmu.ac.uk)

**Dr Hui Cheng**  
Liverpool John Moores University  
E: [H.Cheng@ljmu.ac.uk](mailto:H.Cheng@ljmu.ac.uk)

**Prof Geyong Min**  
Exeter University  
E: [G.Min@exeter.ac.uk](mailto:G.Min@exeter.ac.uk)

**Prof Jiannong Cao**  
The Hong Kong Polytechnic University China  
E: [csjcao@comp.polyu.edu.uk](mailto:csjcao@comp.polyu.edu.uk)

### Important dates:

**Submission deadline:**  
30 Nov 2015

**Publication Date:**  
Sep 2016

All papers must be submitted through the journal's Manuscript Central system:

<http://mc.manuscriptcentral.com/iet-net>

## Open Access Publishing Now Available

In addition to the traditional subscription-funded model, The IET now offers a gold open access publication option in **IET Networks**. This allows authors to disseminate their research to a wider audience. Please contact us if you require any further information.

## What is Open Access Publishing?

Open access publishing enables peer reviewed, accepted journal articles to be made freely available online to anyone with access to the internet. Open access publishing with the IET is funded through author publication charges. This model differs from the subscription based publishing model, whereby readers (or more commonly, readers' institutions) pay for access to journal articles. For more information, contact us on [journals@theiet.org](mailto:journals@theiet.org).

## Why publish in IET Networks?

- Worldwide readership and database coverage - including IET *Inspec*, DBLP and ProQuest., allows your research to be easily accessed
- Online submission and tracking for up-to-date progress of your paper
- Prompt and rigorous peer review provides authors with a quick decision about publication
- Open access option available in all IET journals allows authors to disseminate their research to a wider international audience and is made freely available online
- IET journals are available online via the IET Digital Library and IEEE Xplore for easy sharing of your research
- Articles are published e-first in advance of the printed publication making your research available at the earliest opportunity

## Contact us:

### IET Networks

IET Research Journals Dept.  
Michael Faraday House  
Six Hills Way  
Stevenage  
SG1 2AY  
United Kingdom

Kruna Vukmirovic, Executive Editor (IET Research Journals)

**T:** +44 (0)1438 765504

**E:** [iet\\_net@theiet.org](mailto:iet_net@theiet.org)

[www.ietdl.org/IET-NET](http://www.ietdl.org/IET-NET)