

# IET Wireless Sensor Systems Call for Papers

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Editor-in-Chief: Sherali Zeadally, University of Kentucky, USA

## Special Issue on:

## Industrial Internet of Things (IIoT), Industry 4.0 Emergence and Cyber Physical Systems: Advancements, Applications and Research Challenges

Internet of Things (IoT) is regarded as a next generation wave of Information Technology after widespread emergence of Internet and Mobile Communication technologies. IoT supports information exchange and networked interaction of appliances, vehicles and other objects, making sensing and actuation possible in low-cost and smart manners. IoT is transforming several sectors like Manufacturing, Agriculture, Medical, Transportation, Education from Legacy technology to Smart Digital connected technologies. Recently, IoT has created a significant impact on industry and a new terminology has evolved i.e. Industrial Internet of Things (IIoT). The IIoT is regarded as a fusion of Machine Learning, Big Data, Sensor Technology, Machine-to-Machine (M2M) communications, Actuators, Robotics and other equipment's. In the near future, people and objects will be connected anywhere and anytime at anyplace with anything and anyone. Industrial IoT is creating a new revolution where people and industry 4.0 can manage their assets in smarter way, and can open new opportunities and better-informed decisions. Industrial IoT is providing efficient tools and platforms to manufacturing industries for supporting varied applications, logistics, product quality checks, smart grids and above all Intelligent Manufacturing.

IIoT produces opportunities, but also challenges. The special issue aims to explore recent advances and disseminate state-of-the-art research related to Industrial IoT regarding designing, building and deploying novel applications, services and technologies to enable smart industrial IoT services and applications. In addition, this special issue will also study hardware and software technologies, novel frameworks cum architectures, efficient communication technologies to work as backbone for IIoT, data processing techniques in IIoT, Industry 4.0 evolution, and case studies regarding IIoT and Industry 4.0 in real-world scenarios.

Submissions to the special issue are available in two methods:

- 1) Extended papers presented at the 5th EAI International Conference on Safety and Security in Internet of Things (EAI SaSeIoT 2021)
- 2) Authors can also submit papers that are within the special issue's aims and scope directly to the journal's [submission system](#).

Topics of interest include, but are not limited to:

- Architecture and Protocol design for Industrial Internet of Things (IIoT)
- Performance Evaluation, Simulation and Modelling of Industrial IoT
- Cloud-based IIoT solutions
- Smart Machine-to-Machine (M2M) communications in Industrial IoT
- Smart Communications, IIoT interconnections and Interoperability with Industrial communication smarts.
- Data Security and Privacy in Industrial IoT
- Information Management, Reliability, Integrity, Availability, Robustness and Fault Tolerance for Industrial IoT
- Sensors, Actuators, Hardware Programming for Industrial IoT
- Cyber Physical Systems for design and operation of Industrial IoT and Smart Manufacturing facilities
- IIoT- Augmented, Virtual and Mixed Reality applications
- New and Collaborative applications with regard to Smart Automation, Smart Grid, Smart & Green Building, Smart Industry 4.0 and Smart Cities
- Real-World case studies in the design and implementation of Industry 4.0 applications.
- Case Studies regarding real-world implementation of Industrial IoT.

From January 2021, The IET will begin an Open Access publishing partnership with Wiley. As a result, all submissions that are accepted for this Special Issue will be published under the Gold Open Access Model and subject to the Article Processing Charge (APC) of 2,200 USD. For further information on APCs, and support for APCs including Wiley's institutional agreements and Research4Life initiative which offers waivers and automatic discounts for certain countries, please see our [FAQs](#). To submit your paper and for more information about the journal please visit our [website](#) and read our [Author Guide](#).

### Guest Editors:

**Dr Anand Nayyar**  
Duy Tan University, Vietnam  
E: [anandnayyar@duytan.edu.vn](mailto:anandnayyar@duytan.edu.vn)

**Dr Anand Paul**  
Kyungpook National University,  
Republic of Korea  
E: [anand@knu.ac.kr](mailto:anand@knu.ac.kr)

**Dr Sudeep Tanwar**  
Nirma University, India  
E: [sudeep.tanwar@nirmauni.ac.in](mailto:sudeep.tanwar@nirmauni.ac.in)

**Dr Mamoun Alazab, Charles**  
Darwin University, Australia  
E: [mamoun.alazab@cdu.edu.au](mailto:mamoun.alazab@cdu.edu.au)

