2015 First International Conference on Recent Advances in Internet of Things (RIoT—2015)
7-9 April, Singapore

Call For Papers

2015 First International Conference on Recent Advances in Internet of Things (RIoT 2015) will be held during 7–9 April 2015 in Singapore. The 2015 First International Conference on Recent Advances in Internet of Things (RIoT) will be organized and supported under the umbrella of Australian Research Council (ARC) Research Network. The main organizer for the RIoT 2015 will be the Sense and Sense-abilities (S&S) National Initiative Programme from the Institute for Infocomm Research (I2R), Agency for Science, Technology and Applied Research (A*STAR), Singapore.

Co-located with industry oriented IoT Asia - 2015 and research oriented IEEE ISSNIP 2015, RIoT 2015 discusses the recent advances in Internet of Things and the feasibility of extending wireless sensor network technology to become truly ubiquitous with new Cloud computing technologies, Big data analysis, citizen engagement and Governance. RIoT 2015 invites original contributions on all topics related to the Internet of Things. All accepted papers will be made available on IEEE Xplore. The submitted paper must be camera-ready and in IEEE format not exceeding 6 pages. Visit http://www.icriot.org/ for more information.

Topics of interest:

**IoT Devices:** novel hardware circuit design, IoT enabled control systems, system interfaces, resource-constrained hardware designs, embedded software, embedded processing, IoT enabled testbeds.

**IoT Sensors:** resource-constrained sensors such as energy-efficient and low-cost sensors, smart sensors, new sensing technologies, novel sensing concepts, large scale sensing, pervasive sensing, compressed sensing.

**IoT Architecture:** networking strategies, communication protocols, scalability of the architecture, reliability of architecture and data, future internet architecture and IoT, cyber physical systems (CPS).

**IoT Web Services:** cloud-based solutions for IoT, data storage, data management, security and privacy aspects of the data, web semantics, data-centric solutions, citizen-centric solutions, device-centric solutions.

**Security and Privacy for IoT:** dependability, integrity, IoT as part of an authentication scheme, privacy and anonymity, trust management, cyber attack detection, security of cyber physical systems.

**IoT Visualization:** user interface, information design, geo-spatial information, real-time data visualisation.

**IoT Applications and Solutions:** smart cities, smart parking, smart water management, smart healthcare, smart grid, smart agriculture, urban noise monitoring, smart lighting, waste management, smart roads, forest monitoring, flora and fauna monitoring, infrastructure monitoring, monitoring public spaces.

**IoT Data Analytics:** novel algorithms to provide efficient data analytics, real-time analytics, providing automated and meaningful information.

**IoT Crowdsourcing:** engaging people to participate in crowdsourcing applications and solutions, participatory sensing, citizen engagement.

**IoT Governance:** enabling IoT for decision-making for end-users, policymaking for city councils.

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**General Co-Chairs:**
M. Palaniswami — The University of Melbourne, Australia
Hwee-Pink Tan — Institute for Infocomm Research, Singapore

**TPC Co-Chairs:**
Antonio F. Skarmeta Gómez — Universidad de Murcia, Spain
Klaus Moessner — University of Surrey, UK
Jayavardhana Gubbi — The University of Melbourne, Australia

**Workshop Chair:**
Mirko Presser — Alexandra Institute, Denmark

**Publicity Co-Chair:**
Latif Ladid — University of Luxembourg, Luxembourg

**Publication Co-Chair:**
Sutharshan Rajasegarar — The University of Melbourne, Australia

**Endorsed by:**
IEEE and IEEE Computer Society

**Co-located conferences:**
IoT Asia 2015
ISSNIP 2015

**Sponsors:**
IEEE, ISSNIP, Institute for Infocomm Research

**Publication:**
IEEE Xplore

**Co-Sponsored by:**
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