

Workshop on Enabling Communications and Networking for Future Internet (WECNet17)

In Conjunction with:
The 42nd IEEE Conference on Local Computer Networks LCN

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Call for Papers

Website: <http://www.ieeelcn.org/>

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Workshop Chairs:

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Scope:

ICT is acting as a soul in making all happen in service to humanity and Internet of Things (IoT) is of vital role in Future Internet and is at the forefront in its latest extensions. The major enabling technologies that are giving a flying kick start to the Future Internet are IoT, ad hoc and wireless sensor networks (WSNs), short-range wireless communications, real-time systems, low power and energy harvesting, radio frequency identification, machine type communication, resource-constrained networks, embedded software and in situ processing. Among all others, IoT is an enabling ubiquitous computing technology with novel design paradigm to integrate global physical objects, cyber and social spaces, machines and lot of other thingamabobs. It may also be envisaged as a web of trillions of machines. Therefore, many other extended terminologies can be found in literature like a web of things, social Internet of things, internet of vehicles, internet of cities, internet of robotic things, internet of trains, internet of smartphones, industrial IoT, industrial internet of the micro smart grid, internet of battle things, etc. Communication and networking is at the heart of this wave for gaining multifold sustainable and viable benefits from constituents of Future Internet and its interacting technologies (radio frequency identification, wireless sensor network, Wireless personal area network, wireless body area networks, machine to machine, cloud computing, data centers, Bluetooth, Zigbee, LTE-A, Satellite). This workshop focuses on networking and communication technology for Future Internet for addressing the recent emerging trends, and associated challenges to meet with underlying requirements. Submissions could discuss novel ideas, original results, theoretical and applied research in topics, but not limited to:

- RF/microwave/optical/terahertz devices, signal processing, and communications
- Energy-efficient/aware Computing, Networking & Data Centers
- Efficient communication under delay or quality of service constraints
- Communication and networking issues and their solutions in Future Internet
- Data Center Networks with OpenFlow
- IoT access network technologies and capillary networks
- Testbeds, case studies, experimental measurements, performance evaluations and optimizations in communication and networking
- Infrastructure of information network
- Data Integration, Data Dissemination, Data Management, and Query Processing Algorithms
- Software, hardware, devices, and equipment
- Emergence in user experience and quality of service for Future Internet
- Energy efficient protocols and algorithms for device-to-device, small and dense networks
- Communication and networking protocols among enabling technologies in Future Internet
- MAC/Network layer cooperative communications for Future Internet
- Network design, coding, and infrastructure for Future Internet

Accepted and presented workshop papers will be published in the conference proceedings and will be submitted to the IEEE digital library (IEEE Xplore). Moreover, extended version of selected high-quality papers will be invited for exclusive consideration in the special issue of reputable Journals.

Submission Guidelines:

Full details of submission, procedure are available at <http://www.ieeelcn.org/Author.html>

Important Dates:

Deadline for workshop paper registration: 10 April 2017

Deadline for workshop paper submission: 24 April 2017

Acceptance/rejection announcement: 10 Jul, 2017

Final workshop papers due: 14 Aug 2017