IEEE ICC™ WORKSHOPS 2018

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Communications for Connecting Humanity

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CALL FOR PAPERS

Workshop on Information Centric Networking Solutions for Real World Applications
ICN-SRA 2018

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This workshop is to highlight recent research, development, and evaluation of ICN/NDN in real world applications as well as to stimulate more discussions in the area. The workshop has a particular interest in real world applications of ICN/NDN in challenging communication environments, where IP-based solutions are excessively complex or simply do not work. This workshop will offer a venue for researchers from both industry and academia to demonstrate their recent progress in applying ICN/NDN in this problem space as well as identify potential opportunities and research gaps.

The topics include experimental validation of Information Centric Networking/Named Data Networking solutions for the following real world applications:

- ICN/NDN applications for Internet-of-Things
- ICN/NDN applications for smart vehicles
- ICN/NDN applications for Smart Grid and other critical infrastructure
- ICN/NDN for content dissemination
- ICN/NDN applications for mobility support
- Social networking applications
- ICN/NDN applications on Real-time audio and video communications
- ICN/NDN for infrastructure sharing
- ICN/NDN applications within disaster scenarios and contested environments

- ICN/NDN routing for challenged communication environments
- Supporting high assurance ICN applications in challenged communication environments
- Real deployment and case studies of ICN in challenged communication environments
- QoS-aware NDN functionalities for challenged communication environments
- Efficient and effective ICN caching policies for challenged communication environments
- Modeling, analysis and characterization of ICN/NDN functionalities in challenged communication network

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