Internet of Everything

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The Internet is more than a communication infrastructure for a selected group of people. It is an integral part of our daily life. In this track, we focus on all research questions that relate to the interconnection of users and devices as well as machine-to-machine communication. This includes common topics such as network protocols and algorithms for the Internet of Things but also emerging fields such as the intercon-nection of cars and factories.

In detail, the topics of interest for this track included: Internet of Things; industry 4.0; car2X communication; M2M communication; security and privacy; 5G, 6TSCH, CoAP, MQTT, etc.; applications; services; protocols; network architectures; deployment experiences and open challenges; standardization.

The program committee consisted of

- Martina Brachmann, RISE
- Torsten Braun, Universität Bern
- Falko Dressler, Universität Paderborn
- Anna Förster, Universität Bremen (co-chair)
- Elena Gaura, Coventry University
- Ulf Kulau, TU Braunschweig
- Olaf Landsiedel, Universität Kiel
- Ramona Marfievici, Nimbus Research Centre,Cork Institute of Technology
- Kay Roemer, TU Graz
- Jochen Schiller, FU Berlin
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The track „Internet of Everything“ received eleven submissions. After a single-blind peer review process, we selected six papers for presentation. One paper is an extended abstract, which summarizes previously published work at the IEEE INFOCOM Workshop on Ultra-Low Latency in Wireless Networks 2019.

The selected papers span the variety of the Internet of Everything. They report about a cross-layer pacing approach; scalable secure IoT network integration; the potentials of the secure personal health record; context maps for connected cars; a structured comparison of blockchain and distributed ledger technologies; and the combination of semantic data integration and edge computing.

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