

»Internet of Things – from Sensor to Cloud«

Organized by DESIGN&ELEKTRONIK and Markt & Technik
October 19, 2017, Ramada Munich Messe, Munich, Germany

Call for Papers

For what is now the third time, professional media **DESIGN&ELEKTRONIK** and **Markt&Technik** are staging their one-day conference **Internet of Things – from Sensor to Cloud** on October 19, 2017.

Key topics of the event, staged in the Novotel at the Munich Messe exhibition grounds, revolve around **Internet of Things (IoT)** hardware, testing, test strategies, connectivity, device-related software, middleware for implementing gateways, and data collectors as well as necessary tools.

The conference intends to cover the whole spectrum:

- from little data (small amounts of data in nodes or things, mostly defined by hardware and firmware)
- through consolidating and preprocessing these data (in edge nodes and middleware)
- to big data (interface into the cloud for transmitting, storing and analyzing large amounts of data).

We intend to look at diverse applications and markets such as:

- Home and building services automation
- Industrial and process automation
- Health and ambient assisted living
- Energy and mobility
- Logistics, wholesale and retail
- plus aspects of horizontal integration.

We are also especially inviting representatives of active alliances and ecosystems to present their technical approaches.

Take part in this event with technical presentations, practical examples, hands-on workshops and experience reports from

design projects. Send us your papers dealing with one of the following subjects:

Collecting, aggregating and transmitting data

- Data analysis
- Data models and application profiles like CANopen, ZigBee, http/CoAP, OPC UA, MQTT, ETSI M2M, LWM2M
- Energy harvesting
- Communication standards (wired and wireless)
- Microcontrollers/PLDs/FPGAs
- Security
- Sensor data fusion
- Sensor and actor technology, mesh networks, MEMS
- Transceivers

Solutions for gateways

- Microprocessors
- Boards
- Full systems
- Operating systems
- Virtualization
- Realtime
- Safety

Software and tools for IoT applications

- Architectures
- Middleware
- Software engineering for distributed applications
- Commissioning and network management
- Security
 - Hardware-based solutions (crypto-coprocessors, trusted platform modules)
 - Software-based solutions
 - System aspects
- APIs for access to the cloud

Alliances and ecosystems

- AllSeen / AllJoyn
- Amazon Echo
- Apple HomeKit
- Connected Living
- Eclipse Foundation / SmartHome
- EEBus
- Energy@home Association
- Google Nest / Brillo and Weave
- IFTTT
- IPSO Alliance
- IoTivity
- mozaiq
- Open Internet Consortium
- Open Mobile Alliance
- OPC Foundation
- OSGi Alliance
- Qivicon

Services

- Amazon Web Services
- Microsoft Azure
- SAP HANA
- and others

IoT platforms and frameworks

- Ayla Networks
- Cisco Systems
- IBM
- PTC Thingworx
- Zebra Technologies
- and others

Prototypes and examples of applications may also be presented.

Your treatment of the subject must be factual and objective. Marketing-oriented papers or pure product descriptions cannot be accepted.

These are just some of the topics that will be discussed at the IoT day on October 19th.

To find out more visit

www.iot-konferenz.de

We invite you to take part – send a résumé of your proposed paper online by

May 10, 2017

Note: These key topics are simply suggestions for a proposed paper. You can of course submit abstracts on other aspects of building blocks for the IoT that you would like to deal with.

Event jointly organized by:

**DESIGN &
ELEKTRONIK**
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Markt & Technik
DIE UNABHÄNGIGE WOCHENZEITUNG FÜR ELEKTRONIK

We look forward to hearing from you.

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