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CNR - NATIONAL RESEARCH COUNCIL
HEADQUARTERS - **Piazzale Aldo Moro**

CALL FOR PAPERS for the Special Session on OPEN SENSOR DATA MANAGEMENT IN THE INDUSTRIAL IOT

The management of sensor data in an open manner is becoming crucial for the generation of a dynamic ecosystem of applications and business models in private-public-partnerships, respectively. Open hereby means the application of international standards and their profiled specification as part of an IIoT infrastructure, e.g. as part of a Smart City. Open may also refer to open data and Open APIs. The special session wants to motivate this approach and discuss the various standards and open architecture, especially but not exclusively in the domain of industrial production (Industrie 4.0), smart environment and smart cities.

ABOUT THE ORGANIZERS

Thomas Usländer holds a degree in Computer Science from the University of Karlsruhe, Germany, and a PhD in Engineering of the Karlsruhe Institute of Technology (KIT), Germany. He is head of the department "Information Management and Production Control" at Fraunhofer IOSB and spokesperson of the Business unit "Automation and Digitalization". His research interests include the agile service engineering of open architectures and reference models for the Industrial Internet of Things, Smart Cities and Industrie 4.0 where he has numerous publications and has given several invited keynotes in international conferences.


He is member of the Advisory Board for „Digital Italy 2016“, the expert panel of the Standardization Council Industrie 4.0, represents Fraunhofer IOSB in several working committees on "Industrie 4.0", is primary representative of the Industrial Internet Consortium (IIC) for Fraunhofer IOSB and is entitled to vote for Fraunhofer in the Open Geospatial Consortium (OGC).

He was an invited expert of the European Commission, got the DIN Innovation Award 2017, the Object Management Group (OMG) Application Award 2000 and several best-paper awards in international conferences. He is member of the NEO 2019 jury, a technology award of the Technology Region Karlsruhe.

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