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Wireless & Telecommunication

April 21-22, 2016   Dubai, UAE

How to capture, analyse and react on IoT generated sensor data in real time

In this hands-on tutorial session you will learn how to connect various IoT devices (exemplified using a Raspberry Pi) to a MQTT broker, ingest data in real-time in a NoSQL database (for historic data processing), train a machine learning model (e.g. Neural Net, ..) on this historic data and then - using this model - react on live-data using this model. Finally the result will be translated into an action and sent back to the IoT device.

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Biography:

Romeo Kienzler holds a Master Degree in Information Systems with specialisation in Applied Statistics and Bioinformatics from the Swiss Federal Institute of Technology. He works for IBM Watson IoT as a Chief Data Scientist. His current research focus is on large-scale machine learning on resilient cloud infrastructures in addition to the application of DeepLearning technologies on time series data. Romeo Kienzler is a Member of the IBM Academy of Technology, the IBM Technical Expert Council and the IBM BigData BlackBelts team.

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