AI for Industrial 5G – Challenges and Opportunities

<u>Abstract</u>:

The Industrial IoT represents one of the most promising new application domains of 5G, however, it comes at the same time along with many demanding requirements, for example with respect to reliability, latency and dependability. Furthermore, non-public networks will play an important role, which in many cases may be operated by the enterprise users themselves. AI/ML represents a promising tool to support both of these aspects: On the one hand to support achieving the very demanding requirements of many industrial applications and on the other hand to simplify and automate the operation of non-public 5G networks. This talk will give an overview of corresponding challenges and opportunities.