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### **From Raw Data to ML Aided Preventive Maintenance**

As new technologies emerge in the field of big data, the cost of new I4.0 methods are decreasing and getting easier to implement. Still the path to a data driven production not always clear. In this presentation, I would like to clear some questions regarding the methods and software solutions. From the basic understanding of raw data and its transformation, through Apache Hadoop and Spark you will get the base for the big data mindset, so in the end we can reach one of the grail of industry 4.0, the machine learning aided preventive maintenance in production.

*Miklós Mezei is a Big Data specialist at Robert Bosch Kft. who in the last 2 years mainly focused on data standardization, data and machine learning pipeline implementation for automotive inertial sensor value stream, achieving a complete database structure for each production process from component level till packaging.*