Artificial Intelligence in Industrial Applications

Deep Learning, Python and various topics related to Industry 4.0

Expect these Contents

This Summer School introduces the fundamentals of Cyber Physical Systems, Network Infrastructure, Innovative Sensor Systems and Data Integration to provide a comprehensive understanding of data acquisition in an industrial context, as well as a training in programming languages and tools commonly used for industrial AI, such as Python, scikit learn, and TensorFlow (Keras).

▶ Understand Key AI concepts such as machine learning, deep learning, reinforcement learning and time series processing

▶ Apply Supervised Learning in Predictive Quality

▶ Perform information integration in industrial networks

▶ Assess the potential of data driven solutions for industrial scenarios

▶ Master programming basics in Python

Quick Facts

Your Summer School at a glance

📅	July 28 - August 10, 2024 (2 weeks)	€	3,190 €
🖼	On-campus	👥	Mentoring and Supporting Program
CP	RWTH Certificate with 3 ECTS (approx. 75 hours)	🏠	Accommodation included

Insights into the world of AI and smart manufacturing

Apart from understanding the theoretical concepts, you will also experience how they are put into practice. Learn how state-of-the-art AI-based technologies are used in the industry!

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