Data-Driven Innovation: Manufacturing Data Analysis in the Era of Smart Factory

Speaker:

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Time and Venue:

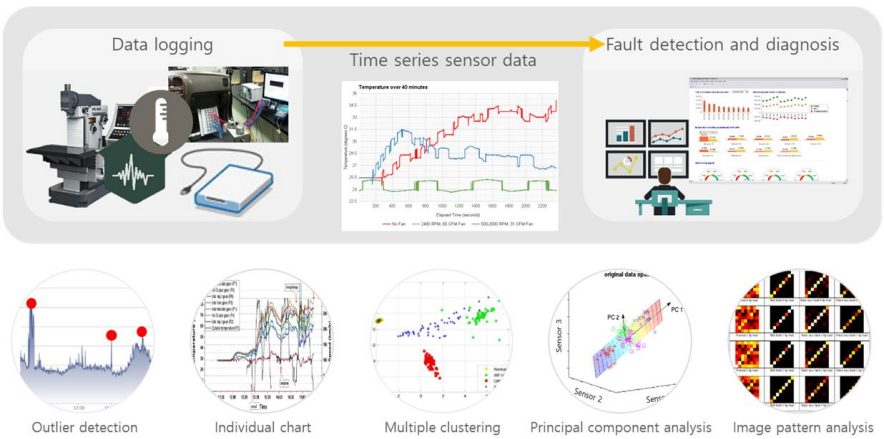
4 월 4 일 (목) 13:30~14:30

공학 3 호관 116 호

자율운항시스템공학과

Abstract:

In the contemporary landscape of manufacturing, the emergence of Smart Factory represents a new era of data-driven innovation. Smart Factory refers to utilizing cutting-edge information and communication technologies, such as the Internet of Things, to enable the creation of new value for conventional manufacturing systems. It involves the real-time data collection, autonomous process control through artificial intelligence, and operator's decision-making support. To do this, it is necessary to acquire and analyze manufacturing data, and this seminar will introduce the concept of smart factory, definition and types of manufacturing data which can assess from manufacturing systems. Four categories of manufacturing data analysis (i.e., operation optimization for a machines/manufacturing system, process control optimization, machine fault diagnosis, product defect detection) and relevant case studies at the undergraduate and master's level are also explained.
The seminar will be given in Korean.



Host:

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