



산업시스템혁신연구소 세미나

1. 주 제 : Key Enabling Technologies for New Market Opportunities and Industry 4.0
2. 연 사 : 싱가포르 난양공대 NTU, 문승기 교수
3. 내 용 : With the vigorous development of global markets and increasing customer demands, companies must respond quickly and take a lead among competitors to reduce costs in productions and supply chains. In general, the trends require a changeable production structure to support a wide range of product categories and logistics. Industry 4.0 has tremendous potential to improve productivity, efficiency, and overall sustainability in various industries across the globe via development in science and artificial intelligent (AI). The Industry 4.0 concept in the manufacturing sector covers a wide range of applications from product design to manufacturing. In particular, the industries also want to explore new technologies for digital manufacturing using Internet of Things (IoT), AI, and 3DP technologies. In this seminar, I will introduce modular design approaches to support new future market and the emerging key smart technologies involving AI, digital twins, and 3DP to support the customized product development under Industry 4.0. Also, I will discuss how the modular design approaches and the technologies can contribute to develop smart products and operate the smart factory with industrial cases. Future research directions in the modular design and digital manufacturing technologies and limitations encountered in existing researches will also be discussed.
4. 일 시 : 2023년 8월 11일 (금) 오전 10시
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