



BK21 FOUR SEMINAR

일시	2024.04.18.(목) 15:30~17:00	장소	서울대학교 39동 327호		
연사	Dr. Ulrich Raschke / Siemens Digital Industries Software				
	Dr. Ulrich Raschke is the Director of Human Simulation Products at Siemens Digital Industries Software. In this role he had responsibility for the development of the Jack human simulation technology, and integration of this technology into the various Siemens host software products, including NX CAD, Process Simulate, and PS Virtual Reality.				
주제	Ergonomic Performance Evaluation using Video Based Analytics				
내용	<p>AI technology to extract human 3D postural information from videos has become the basis of many new ergonomics applications. The ability to capture detailed motions without the need for motion tracking suits or body borne sensors is very appealing, and potentially opens up opportunity to quickly assess lineside ergonomics, close the loop with workplace virtual planning, and easily gather longitudinal risk data, such as behavioral changes throughout the workday or between work shifts. While the 3D postural tracking results of this technology look convincing in stick figure overlays, little quantitative assessment of the tracking accuracy is available. In this seminar, Dr. Raschke will present analysis performed at Siemens DISW to evaluate the technology, using ergonomic metrics computed within the Process Simulate Human simulation tool as the performance criteria.</p>				
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