

Conference Program

First International Symposium on Smart Products Through-Life Design

Date	Time	Content	Location	Remark		
September 17th,2018	9:00-9:30	Opening Ceremony of First International Symposium on Smart Products Through-Life Design		First conference room of International Conference Center, Northwestern Polytechnical University	Host Prof. CHEN Dengkai Northwestern Polytechnical University	
		Serial number	Content			
		1.	Speech by Prof. WAN Xiaopeng, vice president of Northwestern Polytechnical University			
		2.	Speech by Prof. Lu Changde, Chairman of XI'AN DESIGN UNION			
		3.	Speech by Prof. CHANG Honglong, vice Dean of School of mechanical engineering, Northwestern Polytechnical University			
	4.	Speech by Professor Jon Reast, vice president of Northumbria University, UK				
	9:30-9:40	Take Photos				
	9:40-11:40	Expert report (I)	9:40-10:10 QIN Shengfeng Professor Title: Research Roadmap Towards Smart Product Through-Life Design			Host Prof. CHEN Dengkai Northwestern Polytechnical University
			10:10-10:40 Lee Grant Barron Doctor Title: Textiles through Time: Heritage, Chinese Fashion Design and the Legacy of the Silk Road			
			10:40-11:10 Tek Jin Nam Professor Title: Augmented Design for Smart Things Providing Happiness			
			11:10-11:40 Pablo Prieto Professor Title: Designing Smart Products			
	12:10-14:30	Lunch and Rest				
	14:30-15:30	Expert report (II)	14:30-15:00 Ruth Mugge Professor Title: The influence of design for changing consumers			
			15:00-15:30 YU Fei Associate Professor Title: Smart Prototyping			
	15:30-15:45	Tea Break				
	15:45-17:30	Paper Presentation (I)	15:45-16:00 DU Chuanming AME number:AME-18-1472 Title: Transient Thermal Analysis of Standard Planetary Roller Screw Mechanism Based on Finite Element Method			Host Prof. QIN Shengfeng Northumbria University
16:00-16:15 BAI Zhonghang AME number:AME-18-1164 Title: Research on Product Innovation Design of Modularization Based on TRIZ and AD						
16:15-16:30 WEI Ting AME number:AME-18-1549						

		<p>Title: A Method of Intelligent Product Design Based on Touch Points Correlation Analysis</p> <p>16:30-16:45 NIU Yafeng AME number:AME-18-0943.R1</p> <p>Title: Investigation on the Neurophysiological Correlates of Similarity Cognition between Digital Interface Color and Layout (poster)</p> <p>16:45-17:00 SHI Changyou AME number:AME-18-1509</p> <p>Title: Sugarcane Node Identification Based on Structured Learning Model</p> <p>17:00-17:15 CHAI Chunlei AME number:AME-18-1497</p> <p>Title: A Creative Prototyping Using Text-To-Image Synthesis for Smart Product Design</p> <p>17:15-17:30 Han-Jong Kim AME number:AME-18-1468</p> <p>Title: A Prototyping Tool for Kinetic Mechanism Design and Fabrication: Developing and Deploying M.Sketch for STEAM Education</p>		
	20:00-21:00	Special Issue Editorial Meeting	Meeting Room in the Department of Industrial Design, NPU	Prof. Qin Shengfeng, Prof. Tek-Jin Nam, Prof. Pablo Prieto, Prof. CHEN Dengkai
September 18 th ,2018	9:00-10:00 Expert report (III)	9:00-9:30 John Richard Lee Professor Title: Communities and communication for smart design	Second conference room of International Conference Center, Northwestern Polytechnical University	Host Prof. GOU Bingchen Northwestern Polytechnical University
		9:30-10:00 WANG Yahui Doctor Title: AI Driven Industrial Design and Design Decision Making		
	10:00-12:00 Paper Presentation (II)	10:00-10:15 ZHOU Aimin AME number:AME-18-1360 Title: Multimodal Optimization Design of Product Forms Based on Aesthetic Evaluation and Design Thinking Simulation		
		10:15-10:30 ZHANG Wanyu AME number:AME-18-1419 Title: Visualization Analysis of the Cognitive Characteristics of Service Designers Based on Linkography		
		10:30-10:45 Tea Break		
		10:45-11:00 SHANG Zhen AME number:AME-18-1198 Title: Ontology Based Social LCA Knowledge System Development and Aided Design Method		
		11:00-11:15 WANG Weiwei AME number:AME-18-1370 Title: The Design Factor Extraction Method and Deformation of Traditional Culture		
		11:15-11:30 ZHOU Yong AME number:AME-18-1365 Title: Study on An Experimental Test Bench for Aircraft		

		Actuators		
		11:30-11:45 FENG Qing AME number:AME-18-1362 Title: Research on A Framework of Decision Support System Based on Ontology Knowledge		
		11:45-12:00 Sebin Jung AME number:AME-18-1565 Title: Developing a Smart Design Concepts with Assistive Technologies for Elderly Drivers		
	12:00-14:30	Lunch and Rest		
		14:30-14:45 WANG Peng AME number:AME-18-1421 Title: Study on Intelligent Product Family Design System with User-Oriented Participation Based on Generalization Kansei Image		
		14:45-15:00 NIU Xiaojing AME number:AME-18-1356 Title: Product Design Quality Control and Assurance and Their Challenges over a Crowdsourcing-Based Collaborative Platform		
		15:00-15:15 LI Rong AME number:AME-18-1351 Title: Customization Design Method for Complex Product Systems Based on Meta-Model		
		15:15-15:30 HAN Lei AME number:AME-18-1551 Title: Estimation of the Tool Equivalent Remaining Useful Life in NC Machining Based on Spindle Power Signals		
	14:30-17:00	15:30-15:45 Tea break		
	Paper Presentation (III)	15:45-16:00 WANG Jin AME number:AME-18-1530 Title: Smart Service Design Based on Product Lifecycle: A Case of the Maintenance and Service System of Sugarcane Harvesters		
		16:00-16:15 LI Wenjie AME number:AME-18-1749 Title: Research and Design of Intelligent Grip Force Collector and Service System For The Elderly (poster)		
		16:15-16:30 YIN Yuanyuan AME number:AME-18-1418 Title: A Smart Performance Measurement Tool for Collaborative Design in Industry 4.0		
		16:30-16:45 WANG Shuyi AME number:AME-18-1701 Title: Guiding Eco-Friendly Raised Flooring Product Innovation Through Life Cycle Assessment		
		16:45-17:00 Closing Ceremony		
				Host A/Prof. Yu Fei, University of Southern Denmark

EXPERT INFORMATION

QIN Shengfeng	Professor of Design, Academic Lead of Disign Innovation Labotraycoordinator of Academic Lead of Design Innovation Lab
Lee Grant Barron	Director for International Recruitment and Development
Tek Jin Nam	Professor and the Head of Industrial Design department at KAIST. the Deputy Editor-In-Chief of Archives of Design Research Journal, and an Executive Board Member of IASDR (International Association of Societies of Design Research)
Pablo Prieto	Head of the Engineering Design Department at Universidad T écnica Santa Mar á (UTFSM) and Associated Researcher in the Robotics Area in the Advanced Center for Electrical and Electronic Engineering (AC3E) in Chile
Ruth Mugge	Professor of Design for Sustainable Consumer Research and Head of the Department of Product Innovation Management at the Faculty of Industrial Design Engineering of Delft University of Technology, the Netherlands
YU Fei	Professor of Digital Media at the University of Edinburgh,UK.Associate Professor on Prototyping at SDU Technology Entrepreneurship and Innovation, the Mads Clausen Institute
John Richard Lee	Deputy Director of the Human Communication Research Centre in the School of Informatics
WANG Yahui	Researcher of Department of Industrial Design at Northwestern Polytechnical University. His current research interests include AI driven industrial design, human factors of intelligent vehicle and human-machine interaction.