



# The 2017 International Workshop on Intelligentized Welding Manufacturing ( IWIWM'2017 )

## The BRIEF PROGRAM of IWIWM'2017

Time		Contents	Speaker	Subject	Presiders	Place
Jun.23	8:00-20:00	Registration Grand Mercure Shanghai Century Park <a href="http://rwlab.sjtu.edu.cn/en_IWIWM2017/hotel.html">http://rwlab.sjtu.edu.cn/en_IWIWM2017/hotel.html</a>			Huabin CHEN	Mulan Hall
	19:30	The meeting of Advisor Committee, Organization Committee and Program Committee			Shan-Ben CHEN	Council Chamber
Jun.24	9:10-9:30	Opening Ceremony	Jiluan PAN; Lin WU; Qiang CHEN; Chinese Welding Society, PRC	Chairman, advisor guests and amphitryon's address	Shan-Ben CHEN	Mulan Hall
		Theme Address	Tianhu SONG; China Mechanical Engineering Society PRC	The digitalization, networking and intellectualization of mechanical manufacturing		
	9:30-10:00	Keynote Speech	Prof. John Norrish, University of Wollongong, AUS	Developments in Wire Arc Additive Manufacturing (WAAM): An Australian Perspective	Yu-Ming ZHANG; Lin-Shu WANG	Mulan Hall
	10:00-10:30	Keynote Speech	Zhili Feng and Stan A. David, Oak Ridge National Laboratory, USA	Intelligent Weld Manufacturing: Role of Integrated Computational Welding Engineering		
	10:30-10:50	Coffee Break				
	10:50-11:15	Invited Speech	Prof. Yoshinori HIRATA, Institute for Academic Initiatives, Osaka University Japan	Understanding of Welding Phenomena of GMAW to Numerical Simulation of Wire Arc Additive Manufacturing	Zhili FENG; Ding FAN	Mulan Hall
	11:15-11:40	Invited Speech	Prof. Suck-Joo Na Department of ME, KAIST, Korea	Virtual Welding and Additive Manufacturing based on CFD Process Simulations		

	11:40-12:00	Invited Speech	Wayne HU Associate Editor of Springer in Shanghai	Brief on the Transactions on Intelligent Welding Manufacturing (TIWM) in Springer		
	12:00-13:10	Lunch Time				
	13:10-13:30	Invited Speech	Prof. Wei ZHOU, Nanyang Technological University, SG	Integration and Qualification of Technology for Robotic Welding	Dong DU; Xiangdong JIAO	Mulan Hall
	13:30-13:50	Invited Speech	Prof. Yuming ZHANG, University of Kentucky, USA	Analytic Weld Pool Model Calibrated by Measurements		
	13:50-14:10	Invited Speech	Dr. Zengxi PAN, University of Wollongong, Australia	Automated Programming for Robotic Welding		
	14:10-14:30	Invited Speech	Prof. Minbo LI, Fudan University PRC	Industry Practice of Industrial Internet and Intelligent Manufacturing		
	14:30-14:50	Invited Speech	Prof. Qixin CAO, Shanghai Jiao Tong University, PRC	The Robotics Functional Component Technology for Smart Factory		
	14:50-15:20	Coffee Break				
	15:20-15:40	Invited Speech	Prof. Dong DU Tsinghua University, PRC	Automatic Weld Path Recognition Method Based on Multiple Visual Features Acquisition and Information Fusion	Zengxi PAN; Hao LU	Mulan Hall

	15:40-16:00	Invited Speech	Prof. Xiangdong JIAO, Beijing Institute of Petrochemical Technology, PRC	Welding Robot System Applied in Sub-Sea Pipeline-Installation		
	16:00-16:20	Invited Speech	Prof. Ding FAN Lanzhou University of Technology	Real Time Detection of Weld Penetration with Laser Vision in Gas Tungsten Arc Welding		
	16:20-16:40	Invited Speech	Prof. Lixia ZHAN SKLAWJ, Harbin Institute of Technology PRC	Advanced Welding at HIT, Surface modification of quartz fiber reinforced composite to improve its wettability by growing carbon nanotubes		
	16:40-17:00	Invited Speech	Dr. Ke ZHANG, Shanghai Jiao Tong University, PRC	Adaptive control of laser welding with filler wire and intelligent autonomous mobile robot		
	17:00-17:20	Invited Speech	Shan-Ben CHEN Shanghai Jiao Tong University, PRC	The Trend of Advanced Welding: Intelligentized Welding Manufacturing		
	17:20-18:30	Moving for Banquet				
	18:30-20:00	Banquet				
Jun.25		Attend IIW'2017				

Program Committee of IWIWM'2017

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