

JIHONG YAN

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RESEARCH INTEREST	
	Intelligent methods for machinery performance assessment and remaining useful life prediction; manufacturing process optimization and scheduling; system modeling and simulation; predictive control methods.
EDUCATION	
	Mar. 1996–Jul. 1999 Harbin Institute of Technology, CHN. Ph. D Navigation, guide and control, Dept. of Control Engineering
	Sep. 1993–Mar. 1996 Harbin Univ. of Sci. and Tech., CHN. MS. Automation, Dept. of Electrical Engineering.
	Sep. 1989–Jul. 1993 Harbin Univ. of Sci. and Tech., CHN. BS. Electrical Engineering, Dept. of Electrical Engineering.
EXPERIENCE	
	Nov. 2001—Present Center for IMS, UWM Postdoctoral researcher, Dept. of Indu. & Manu. Engineering. Condition-based predictive maintenance approaches development.
	Sep. 1999— Sep. 2001 Tsinghua University, CHN Postdoctoral researcher, Dept. of Automation. Mainly focused on scheduling algorithms development for activities under concurrent environment.
PUBLICATIONS	
	Over 30 papers have been published. Selected publications: [1] Jihong Yan and Cheng Wu. A Scheduling Approach for Design Activities in Concurrent Engineering. IEEE Trans. on SMC -- Part C: Review and Applications. Aug. 2001, 31(3): 361~365. [2] Jihong Yan and Cheng Wu. Scheduling approach for concurrent product development processes. Computers In Industry. 46(2001) : 139~147. [3] Jihong Yan, Muammer Koc and Jay Lee. Predictive algorithm for machine degradation detection using logistic regression. MIM 2002, Sept. 9-11 , Milwaukee, USA : 172-178.
CURRENT PROJECT	
	Kone elevator door : performance assessment and remaining useful life prediction. MHI Printing machine: printing quality control.