

Speaker's curriculum vitae

Name	Chien, Chen-Fu	
Current position	Chair Professor, Department of Industrial Engineering and Engineering Management, National Tsing Hua University	
Field of Specialization	Manufacturing Big Data Analytics, Decision Analysis and Decision Quality, Intelligent Manufacturing and Digital Decision, Semiconductor Manufacturing and Manufacturing Strategy	
Speech Topic(s)	“Industry 3.5” as AI strategy of Disruptive Innovation for Emerging Countries	
Working Experience	<p>Director, Artificial Intelligence for Intelligent Manufacturing Systems (AIMS) Research Center, MOST (2018-2022)</p> <p>Chair Professor, Micron Technology (2018.08-2021.08)</p> <p>Convener, Industrial Engineering and Management Program, MOST (2017-2019)</p> <p>Investment Commission Committee, National Development Fund, Executive Yuan (2015.01-)</p> <p>Principal Investigator, Semiconductor Technologies Empowerment Partners (STEP) Consortium, MOST (2013.01-)</p> <p>Vice President and Chief of Staff, National Tsing Hua University (2012.08-2014.01)</p> <p>Steering Committee for the Government's Science and Technology Projects, MOST (2010.01-)</p> <p>Director, Science Park Sustainable Growth Project Office, National Science Council, Taiwan (2009-2011)</p> <p>Principal Investigator, Research Park Planning Project in Hsinchu Area, National Science Council, Taiwan (2009-2010)</p>	
Recent Research	<p>1. Chien, Chen-Fu, Liu, C.-W., and Chuang, S.-C. (2017), “Analysing semiconductor manufacturing big data for root cause detection of excursion for yield enhancement,”</p>	

	<p>International Journal of Production Research, 55(17), 5095-5107. DOI:10.1080/00207543.2015.1109153. (SCI) (2017 Impact Factor: 2.623)</p> <p>2. Khakifirooz, M., Chien, Chen-Fu and Chen, Y.-J. (2018), “Bayesian inference for mining semiconductor manufacturing big data for yield enhancement and smart production to empower industry 4.0,” Applied Soft Computing, 68, 990-999, DOI: https://doi.org/10.1016/j.asoc.2017.11.034. (MOST 105-2218-E-007-027; MOST 105-2622-8-007-002-TM1) (SCI) (2017 Impact Factor: 3.907)</p> <p>3. Chamnanlor, C., Sethanan, K., Gen, M., and Chien, Chen-Fu (2017), "Embedding Ant System in Genetic Algorithm for Re-entrant Hybrid Flow Shop Scheduling Problems with Time Window Constraints," Journal of Intelligent Manufacturing, 28(8), 1915-1931. DOI: 10.1007/s10845-015-1078-9. (SCI) (2017 Impact Factor: 3.667)</p> <p>4. Chien, Chen-Fu, Dou, R. and Fu, W. (2018), “Strategic capacity planning for smart production: Decision modeling under demand uncertainty,” Applied Soft Computing, 68, 990-999, DOI: https://doi.org/10.1016/j.asoc.2017.06.001. (MOST 105-2218-E-007-027; MOST105-2622-8-007-002-TM1; MOST 103-2218-E-007-023) (SCI) (2017 Impact Factor: 3.907)</p> <p>5. Wang, H.-K., Chien, Chen-Fu, and Chou, C.-W. (2017), “An empirical study of bio manufacturing for the scheduling of hepatitis in vitro diagnostic device with constrained process time window,” Computers & Industrial Engineering, 114, 31-44. DOI: http://dx.doi.org/10.1016/j.cie.2017.09.023 (SCI) (2017 Impact Factor: 3.195)</p>
<p>E-mail & Contact Info (please also provide your post address here)</p>	<p>Dr. Chien Chen-Fu Chair Professor, Department of Industrial Engineering and Engineering Management, National Tsing Hua University Rm. 922, Engineering Building 1, No. 101, Sec. 2, Guangfu Rd., East Dist., Hsinchu City 300, Taiwan (R.O.C.) Phone: +886-912-512319 Email: cfchien@mx.nthu.edu.tw</p>