

Best papers at nanoMan 2018 conferences

Paper title	Authors	Affiliation
Microstructures fabricated by the revolving tip-based machining method and their applications	Bo Xue, Yongda Yan	Harbin Institute of Technology
Design of Ultra-precision Machine for Integrated Grinding and Polishing of Silicon Wafers	Xianglong Zhu, Junqing Li, Zhigang Dong, Renke Kang, Shang Gao and Dongming Guo	Dalian University of Technology
Development of a prototype micro thermal sensor probe for non-destructive surface defect inspection	Yuki Shimizu, Yuki Matsuno, Hiraku Matsukuma and Wei Gao	Tohoku University
Finite element simulation and experimental investigation on cutting mechanism in vibration assisted micro-milling	Wanqun Chen, Lu Zheng, Xiangyu Teng and Dehong Huo	Newcastle University / Harbin Institute of Technology
Surface integrity in ultrasonic assisted diamond cutting of steel	Melanie Willert, Kai Rickens and Oltmann Riemer	Bremen University
Reliability analysis of direct-driving A/C-axis bi-rotary precision milling head	Peng Zheng, Zewei Yuan and Haobo Wang	Shenyang University of Technology / Shenyang Machine Tools Co. Ltd
Experimental and numerical study of the filling of a micro feature based on a microfluidic flow cytometer chip using micro injection moulding	Haoyang Zhang, Fengzhou Fang, Michael Gilchrist and Nan Zhang	Tianjin University / University College Dublin
Novel Approaches to Determine Element Trajectory in the Centrifugal Disk Finishing Process	Xiaoxiao Liu, Mike Morgan, Shuwen Wang and Chao Zhang	Liverpool John Moores University / University of Shanghai for Science and Technology
Modelling and analysis of the micro-cutting mechanics and the associated precision surface generation in Abrasive Flow Machining	Yizhi Shao and Kai Cheng	Brunel University London
Micro-Structuring on Inner Cylinder Surfaces Using a Rotating Active Tool with On-line Compensation	Seung-Kook Ro, Soo-Bong Cho, Yangyang Guo, Byung-Sub Kim, Sungcheul Lee, Jeong Seok Oh and Jong-Kweon Park	Korea Institute of Machinery and Materials / Korea University of Science and Technology
Accurate Measurement of Complex Micro-structures by Digital Holographic Microscopy	Xiangchao Zhang, Xiaolei Zhang, Min Xu and Xiangqian Jiang	Fudan University / University of Huddersfield
A study of optimized tool path for uniform scallop-height in ultra precision grinding of freeform surfaces	Shanshan Chen, Benny Cheung, Feihu Zhang and Mingyu Liu	Hong Kong Polytechnic University / Harbin Institute of Technology