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Publications

Kelly Hui-En Lee and Min-Fan Ricky Lee, "Autonomous Target Tracking and Following Mobile Robot," Journal of the Chinese Institute of Engineers, 2013. Accepted and in press (SCI)

C.-H. Ko and Min-Fan Ricky Lee, "Design and Fabrication of Micro-Spectrometer based on Silicon Concave Micro-Grating," Optical Engineering, vol. 50(8), pp. 1-10, 2011. (SCI)

E.-J. J. Wang, Min-Fan Ricky Lee, and C.-H. K. Ko, "An intelligent system of catalyst layer deposition for proton exchange membrane fuel cell," Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers,Series A, vol. 33, pp. 89-98, 2010. (SCI)

Q. M. J. Wu, Min-Fan Ricky Lee, and C. W. De Silva, "An imaging system with structured lighting for on-line generic sensing of three-dimensional objects," Sensor Review, vol. 22, pp. 46-50, 2002. (SCI)

Min-Fan Ricky Lee, C. W. de Silva, E. A. Croft, and Q. M. J. Wu, "Machine vision system for curved surface inspection," Machine Vision and Applications, vol. 12, pp. 177-188, 2000. (SCI)

Chi Kai Hui, Feriyonika, R. Tyasnurita, P. Alexandra, and Min-Fan Ricky Lee, "Obstacle Avoidance in comparation Using Fuzzy Logic and Neural Network," in Proceedings of the 23rd Canadian Congress of Applied Mechanics, Vancouver, BC, Canada, June 5, 2011.

Gustavo Ricarte, Jaime Mora, Nguyen Hong Phuoc and Min-Fan Ricky Lee, "Fuzzy Logic Based Navigation and Target Seeking System in Autonomous Mobile Robot," in Proc. IEEE Symposium Series in Computational Intelligence 2011 - CompSens - 2011 IEEE Workshop on Merging Fields of Computational Intelligence and Sensor Technology, Paris, France, April 11, 2011. (EI)

Chi Kai Hui and Min Fan Ricky Lee, " Obstacle Avoidance in Mobile Robot using Neural Network," in Proceedings of International Conference on Information Engineering and Mechanical Engineering, Xianning, China, April 16, 2011. (EI)

Chia-Hsien Louis Chen and Min-Fan Ricky Lee, " Global Path Planning in Mobile Robot using Omnidirectional Camera," in Proceedings of International Conference on Information Engineering and Mechanical Engineering, Xianning, China, April 16, 2011. (EI)

Truong Minh DAT, Yu-Feng Neil Nieh, Wijayanti Nurul Khotimah, Luu Quoc DAT and Min-Fan Ricky Lee, "Intelligent Autonomous Navigation System for the Wheeled Mobile Robot," in Proc. The International Conference on Electrical Engineering and Automatic Control 2010, Zibo, China, 2010, vol. 10, pp. 352-355. (EI)

Kuei-Ying Chang, Pendry Alexandra, Huai-Jen Hsu and Min-Fan Ricky Lee, "Trajectory Control Using Linear Control System on Mobile Robot," in Proc. The International Conference on Electrical Engineering and Automatic Control 2010, Zibo, China, 2010, vol. 10, pp. 356-359. (EI)

Min-Fan Ricky Lee, Kevin Stanley and Q. M. Jonathan Wu, “Sensor Selection and Fusion Using Fuzzy Logic”, Joint 9th International Fuzzy Systems Association World Congress and 20th North American Fuzzy Information Processing Society International Conference, Vancouver, BC, Canada 2001

Min-Fan Ricky Lee, K. Stanley, and Q.M.J. Wu. “Implementation of sensor selection and fusion using fuzzy logic,” in Proc. Joint 9th IFSA World Congress and 20th NAFIPS International Conference, Vancouver, 2001, pp. 328-333.

Min-Fan Ricky Lee and Q. M. Jonathan Wu, “Intelligent 3-D Sensing in Automated Manufacturing Processes,” in Proc. IEEE/ASME International Conference on Advanced Intelligent Mechatronics, Como, Italy, 2001, pp. 366-370.

Min-Fan Ricky Lee and Q. M. Jonathan Wu, “Structured Light Based Whole-Field 3-D Sensing System”, 2000 World Automation Congress at Maui, Hawaii, USA

Q. M. Jonathan Wu and Min-Fan Ricky Lee, “Range Scanner Design for Automatic CAD Model Acquisition System”, 1999 International Conference on Imaging Science, Systems, and Technology (CISST'99), Las Vegas, Nevada, USA 1999

Min-Fan Ricky Lee, Clarence de Silva and Elizabeth A. Croft, “Automated Screening of Metal Can Defects Using Machine Vision”, ISIAC-175, 1998 World Automation Congress at Anchorage AK 1998

Min-Fan Ricky Lee, Clarence de Silva and Elizabeth A. Croft, “Three-Dimensional Shape Measurement by Using Multistripe Laser Structured Light”, ISIAC-174, 1998 World Automation Congress at Anchorage AK 1998

Min-Fan Ricky Lee, “An Intelligent Computer Vision Control and Target tracking System Design of an Agricultural Grapevine Pruning Robot”, USA Copyright Office 1997

Min-Fan Ricky Lee, Wesley W. Gunkel and James A. Throop, “Rough Terrain Simulation by Using Motion Simulator”, #95367, ASAE International Conference , Chicago, IL, Jun. 1995

Min-Fan Ricky Lee, Wesley W. Gunkel and James A. Throop, “Position Estimation to Reduce the Rough Terrain Effect”, #951339, ASAE International Conference, IL, Jun. 1995

Min-Fan Ricky Lee, Wesley W. Gunkel and James A. Throop, “Digital Regulator and Tracking Controller Design for a Robotic Grapevine Pruner”, 5th International Conference on Computers in Agriculture, FL 1994

Min-Fan Ricky Lee, Wesley W. Gunkel and James A. Throop,“Computer Vision for Selective Pruning on a Robotic Grap’evine Pruner”, #933600, ASAE International Conference, Chicago, IL, Dec. 1993

J. H. Huang, Min-Fan Ricky Lee, T. Ming-Jong, and S. F. Chiu, "Generalized Predictive Control in a Wireless Networked Control System," in Proc. Intelligent Control and Automation (WCICA), 2011 9th World Congress on, 2011, pp. 870-875. (EI)

Fu Hsin Steven Chiu and Min-Fan Ricky Lee, “Analysis and Control of Cooperative Behavior Architecture for Multiple Autonomous Mobile Robots,”. in Proceedings of 2009 CACS International Automatic Control Conference, National Taipei University of Technology, Taipei, Taiwan: Chinese Automatic Control Society. Nov. 27-29, 2009.

Mao-Hsun Huang and Min-Fan Ricky Lee, “Visual Obstacle Localization for Autonomous Mobile Robot,” in Proceedings of 2009 CACS International Automatic Control Conference, National Taipei University of Technology, Taipei, Taiwan: Chinese Automatic Control Society. Nov. 27-29, 2009.

Jia-Hong Martin Liu and Min-Fan Ricky Lee,”Visual Tracking System on Autonomous Mobile Robot,” in Proceedings of 2009 CACS International Automatic Control Conference, Taipei, Taiwan: Chinese Automatic Control Society. Nov. 27-29, 2009.