

# Poster session

Paper #	title	authors	affiliation
p01	Uncertainty in length conversion for length measurement using a comb laser interferometer	Dong Wei, Masato Aketagawa	Nagaoka University of Technology
p02	Femtosecond laser processing of transparent materials using a diffractive nonparabolic lens	Cao Hoai Vu, Satoshi Hasegawa, Yoshio Hayasaki	Utsunomiya University
p03	Co-occurrence pixel block pairs background subtraction for object detection in dynamic scene	Wenjun Zhou <sup>1</sup> , Shun'ichi Kaneko <sup>1</sup> , Dong Liang <sup>2</sup> , Manabu Hashimoto <sup>3</sup> , Yutaka Satoh <sup>4</sup>	1 Hokkaido University, 2 Nanjing University of Aeronautics and Astronautics, 3 Chukyo University, 4 National Institute of Advanced Industrial Science and Technology
p04	High power quasi-cw Yb all-fiberized laser with ~5.76 kW peak power	Minjee Jeon <sup>1,2</sup> , Yeji Jeong <sup>1,2</sup> , H.S. Seo <sup>3</sup> , J. W. Kim <sup>2</sup> , Hoon Jeong <sup>1</sup>	1 Korea Institute of Industrial Technology, 2 Hanyang University ERICA, 3 Electronics and Telecommunications Research Institute (ETRI)
p05	Development of optical actuator ~fabrication of micro rotor~	Hiroki Takeda, Yasuhiko Arai	Kansai University
p06	Vision-based measurement of coke granularity	Terry Yuan-Fang Chen <sup>1</sup> , Chun-Hung Wu <sup>1</sup> , Der-Her Wana <sup>2</sup>	1 National Cheng Kung University, 2 China Steel Corporation
p07	A novel rotary liquid lens for laser beam shaping	Chao-Ching Ho <sup>1</sup> , Yuan-Jen Chang <sup>2</sup> , Jin-Chen Hsu <sup>2</sup> , Chia-Lung Kuo <sup>2</sup> , Hao-Jen Chen <sup>2</sup>	1 National Taipei University of Technology, 2 National Yunlin University of Science and Technology
p08	In-line total inspection of burr and dimension	Hiroki Tokunaga <sup>1</sup> , Takanori Yazawa <sup>1</sup> , Atsuhiko Koyama <sup>1</sup> , Reiko Yamada <sup>1</sup> , Xin Yuan <sup>1</sup> , Tetsuya Matsumoto <sup>1</sup> , Yuya Miyamoto <sup>1</sup> , Tatsuki Otsubo <sup>2</sup> , Kazuhisa Hamazono <sup>3</sup> , Yukihisa Matsuo <sup>4</sup>	1 Nagasaki University, 2 Salesian Polytechnic University, 3 Toshiba Machine Co. Ltd., 4 Panasonic Corp.
p09	Highly efficient second harmonic generation of high-power Yb fiber lasers using MgO:PPLST	Eun-Ji Park <sup>1</sup> , Hoon Jeong <sup>2</sup> , J. W. Kim <sup>1</sup>	1 Hanyang University ERICA, 2 Korea Institute of Industrial Technology
p10	High-efficiency Yb fiber lasers tandem-pumped by a tunable Yb fiber laser	Yeji Jung <sup>1,2</sup> , M. J. Jeon <sup>1,2</sup> , H. Jeong <sup>2</sup> , J. W. Kim <sup>1</sup>	1 Hanyang University ERICA, 2 Korea Institute of Industrial Technology
p11	Design and implementation of a 2D LiDAR for intelligent transportation systems	Junhwan Jang, Sungui Hwang, Bumsik Won, Yagyel Seo, Kyihwan Park	Gwangju Institute of Science and Technology
p12	Implementation of adaptive coded aperture imaging using a digital micro-mirror device for defocus deblurring	Ashill Chiranjani, Bernardt Duvenhage	Defence, Peace, Safety and Security Council for Scientific and Industrial Research Pretoria
p13	Visual servoing technique for modal analysis of a rotating object	Dongkyu Kim, Hossam Khalil, Youngjoon Jo, Kyihwan Park	Gwangju institute of Science and Technology
p14	Phase sensitive CT measurement using a pixelated polarizing shearing interferometer	David I. Serrano-Garcia, Yukitoshi Otani	Utsunomiya University
p15	Laser joining of engineering plastic polycarbonate and A5052 aluminum alloy using insert materials	Ryoichi kuwano <sup>1</sup> , Makoto Hino <sup>1</sup> , Norihito Nagata <sup>2</sup> , Kazuya Nagata <sup>3</sup> , Tsuyoshi Tokunaga <sup>4</sup> , Sho Morita <sup>4</sup> , Mizue Ebisawa <sup>5</sup>	1 Hiroshima Institute of Technology, 2 Surteck Nagata Co.,Ltd., 3 Toyama Prefectural University, 4 Chiba Institute of Technology, 5 Tokyo Metropolitan Industrial Technology Research Institute
p16	High-resolution frequency scanning interferometry with a linearly chirped vertical-cavity surface-emitting laser diode	Seiichi Kakuma	Hokkaido University
p17	Study on chipping inspection of cutting knife using spatial filtering	Takanori Yazawa <sup>1</sup> , Yuya Miyamoto <sup>1</sup> , Tetsuya Matsumoto <sup>1</sup> , Hiroki Tokunaga <sup>1</sup> , Tatsuki Otsubo <sup>2</sup> , Masumu Kuroiwa <sup>3</sup>	1 Nagasaki University, 2 Salesian Polytechnic university, 3 EM Laboratory Co.
p18	Development of rotor with optical actuator using the silicon-fabrication process	Dai Shimizu, Yasuhiko Arai	Kansai University