

Publications

Refereed Papers

- 1) S. Bhansli, A. L. Zhang, R. B. Zmood, P. E. Jones, and D. K. Sood, "Prototype Feedback-Controlled Bidirectional Actuation System for MEMS Application," *IEEE J. of Microelectromechanical Systems*, Vol. 9, No. 2(2000), pp.245-251
- 2) L. Qin and R. B. Zmood, "A Simplified Approach for Accurate Estimation of Transverse Magnetic Forces in Micro Actuators Having Inclined Pole Faces," *IOP J. of Micromech. Microeng.*, Vol. (2000), pp.28-33
- 3) L. Qin and R. B. Zmood, "Application of Fringing Range Method to Micro Magnetic Bearing Actuator Design," *IEEE Trans. Magnetics*, Vol. 36, No. 5 (2000), pp. 199-209
- 4) M. K. Ghantasala, L. Qin, D. K. Sood, and R. B. Zmood, "Design and Fabrication of a Micro Magnetic Bearing," *J. of Smart Material and Structure*, Vol. 9 (2000), pp. 1-6.
- 5) M. K. Ghantasala, J. P. Hayes, E. C. Harvey and D. K. Sood, "Patterning, Electroplating and Removal of WU-8 Moulds by Excimer Laser Micromachining," *IOP J. of Micromech. Microeng.*, Vol. 11 (2001), pp. 133-139

Presentations

- 1) M. K. Ghantasala, L. Qin, D. K. Sood, and R. B. Zmood, "microengineering of Bearings and Actuators," Presented at 7th Intern SPIE Symp on Smart Materials and Structures, Newport Beach, California, USA, 6-10 Mar, 2000
- 2) D-C Pang, J-L Lin, S-C Chen, B-Y Shew and R. B. Zmood, "Design, Fabrication, and Testing of a Millimeter-level magnetically suspended Micromotor," Presented at 7th Intern Symp on Magnetic Bearings, Zurich, Switzerland, Aug 23-25, 2000
- 3) D. K. Sood, R. B. Zmood, L. Qin, "Research into Ultra-Low Friction Suspension Devices," H12 general R&D meeting, Lona, Japan, 7-8, Dec. 2000
- 4) R. B. Zmood, L. Qin, D. K. Sood, T. Vinay, and D. Meyrick, "Magnetic MEMS Used in Smart Structures Which Exploit Magnetic Material Properties," SPIE's 2000 Symposium on Smart Materials and MEMS, Sheraton Towers Outhgate, Melbourne, Australia, 13-15 Dec. 2000.