

Curriculum Vitae

Gedam Benu Madhab received his Bachelor's Degree in Mechanical Engineering from University College of Engineering (UCE) Burla, India, in the year 1997, and his Master's Degree in Mechanical Engineering from Indian Institute of Technology (IIT) Kanpur, India, in the year 2000. He worked in organizations like Tata Steel, Ashok Leyland Limited and Emerson Electric Co.

List of publications:

1. Madhab, G.B., Kumar, C.S. and Mishra, P.K., "Modeling and control of bio-inspired microgripper," *International Journal of Manufacturing Technology and Management (IJMTM)*, Vol.21, No. 1, 2010, pp. 160-175, Inderscience Publishers.
2. Khare, P., Madhab, G. B. and Kumar, C. S., "Vision based control of piezo-actuated bio-inspired compliant microgripper," *Proceedings of the Second International & 23rd All India Manufacturing Technology Design & Research Conference, 23rd AIMTDR*, IIT Madras, Chennai, India, Dec 15-17, 2008, pp. 927-933.
3. Khare, P., Madhab, G. B., Kumar, C. S. and Mishra, P.K., "Optimizing design of piezoelectric actuated compliant microgripper mechanism," *Poster presentation at 13th National Conference on Machines and Mechanisms, NaCoMM 2007*, IISc Bangalore, India, Dec 12-13, 2007.
4. Madhab, G. B., Kumar, C. S. and Mishra, P.K., "Modeling and control of flexure-based miniature robotic end-effector", *Proceedings of the First International & 22nd All India Manufacturing Technology Design & Research Conference, 22nd AIMTDR*, IIT Roorkee, India, Dec 21-23, 2006, pp. 175-179.
5. Madhab, G. B., Manav, Kshitiz, Kumar, C.S. and Mishra, P.K., "Optimization of compliant microgripper mechanisms using GA", *Proceedings of the First International & 22nd All India Manufacturing Technology Design & Research Conference, 22nd AIMTDR*, IIT Roorkee, India, Dec 21-23, 2006, pp. 193-197.
6. Benu Madhab, G., "A GA-based optimization of compliant micro-manipulator", *Proceedings of the 11th International Conference on Precision Engineering -Toward Synthesis of Micro/Nano Systems, 11th ICPE*, Waseda University, Tokyo, Japan, August 16-18, 2006, Springer Publishers.
7. Madhab, G. B., Kumar, C. S. and Mishra, P. K., "Design of a bio-inspired piezoelectric compliant miniature gripper", *Proceedings of the Fourth ISSS International Conference on Smart materials, Structures and Systems*, Bangalore, India, July 28-30, 2005, pp. SD17-24.