



# MECHATRONICS

The Science of Intelligent Machines

## AUTHOR INFORMATION PACK

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### DESCRIPTION

*Mechatronics* is the synergistic combination of precision **mechanical engineering, electronic control** and **systems** thinking in the design of products and manufacturing processes. It relates to the design of systems, devices and products aimed at achieving an optimal balance between basic mechanical structure and its overall control. The purpose of this journal is to provide rapid publication of topical papers featuring practical developments in **mechatronics**. It will cover a wide range of application areas including consumer product design, instrumentation, manufacturing methods, computer integration and process and device control, and will attract a readership from across the industrial and academic research spectrum. Particular importance will be attached to aspects of innovation in **mechatronics design philosophy** which illustrate the benefits obtainable by an *a priori* integration of functionality with embedded microprocessor control. A major item will be the design of machines, devices and systems possessing a degree of computer based intelligence. The journal seeks to publish research progress in this field with an emphasis on the applied rather than the theoretical. It will also serve the dual role of bringing greater recognition to this important area of engineering.

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Practising engineers both in industry and academia who are involved in the design and/or manufacture of products using computer controlled mechanisms or electromechanical systems.

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