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## Editorial: The inauguration of a new journal

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We welcome you to the first issue of *International Journal of Advanced Mechatronic Systems (IJAMechS)*, a new publication devoted to the science and technology of advanced mechatronic systems. Mechatronics is conjoined by 'mechanics' and 'electronics'. The integrated mechanical-electronic systems are increasingly called mechatronic systems. Research and experiments in the synergistic integration of the mechatronic systems have contributed significantly to the design, devices, processes and products. We anticipate that this journal will serve as a concise and quantitative expression of the theoretical and practical advanced contributions by providing readers with the latest information and by providing authors with rapid publication.

The journal publishes original papers, review papers, technical reports, book reviews, commentaries and news. Special Issues devoted to important topics in relevant titles of advanced mechatronic systems will be occasionally published. Prospective authors should consult information for authors on the inside back cover.

Due to the size of an issue, this first issue contains eight papers which gather current theoretical and practical developments from mechatronic systems as diverse as system modelling, non-linear control, robotics, manufacturing method and network. We expect that submitted papers directed towards all aspects of the following subject coverage are encouraged.

### Subject coverage

Suitable topics for publication in *IJAMechS* include, but are not limited to:

- mechatronics design philosophy
- design of machines, devices and systems possessing a degree of computer based intelligence
- mechatronic system modelling, identification and control
- instrumentation and manufacturing methods
- design ideas on computer integration
- robotics
- mechatronic systems fault diagnosis and fault tolerance

- networked mechatronic systems
- applications of machine vision, image processing, pattern recognition and synthesis.

### Acknowledgements

Launching a new journal is not an easy task. In this regard, we wish to thank the numerous people who made this a reality. In particular, Professor Akira Inoue, Honorary Editor of this journal, has provided valuable leadership and steady support, we immensely appreciate. To the members of the editorial board, for their technical suggestions during the initial stages, we really show our profound gratitude. For this inaugural issue, the editors and the reviewers have done an excellent job despite the tight time schedule, to them all, we are absolutely grateful, ditto the authors for considering this journal worthwhile. We hope that you, the readers, appreciate our efforts in this newly born journal, *IJAMechS*.