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'Mechatronics' has become accepted for what it is, the blending of mechanics, electronics and computer control into an integrated design. It forms the basis of an ever growing list of products and techniques of great technical and commercial value. Mechatronic design can result in products which are much simpler than their intricate and costly predecessors and can make commonplace the miracles of yesterday. Much value-added comes from the skilful use of sensors and embedded machine intelligence. Machine-vision has emerged from the laboratory among other sophisticated sensors to find real applications in areas which include inspection, fault detection, vehicle guidance and robot control. Low-cost cameras have been developed for multimedia applications, but with their ease of interfacing they offer a whole new field of low-cost vision-based control.

Following the success of its fourteen predecessors, M2VIP 2008 will provide a dynamic forum for international experts and researchers to present and review advances in mechatronics and machine vision which have culminated in practical applications, or which promise practical implementation in the very near future.

Topics and Publication

The topics covered in the conference will include, but not be limited to, the following: Medical mechatronics, consumer mechatronics, intelligent systems and devices, applied robotics including those mobile, walking, flying, humanoid and bio-inspired, underwater mechatronics, aeronautical mechatronics, agricultural mechatronics, visual inspection, visual servoing and tracking, sensors and sensor fusion, building mechatronics, actuator and drive technology, intelligent control and automation, intelligent aids for the elderly and disabled, MEMS technology, artificial and computational intelligence, and machine vision.

All the papers presented at the conference will be published in DVD proceedings that will be indexed by IEEEExplore and EI. Moreover, a majority of the papers presented, subject to authors' permission, will be published in International Journal of Intelligent Systems Technologies and Applications (IJISTA) at www.inderscience.com/ijista (indexed in Computer and Information Systems, DBLP Computer Science Bibliography, Google Scholar, Inspec and Pascal. SCI in process).

Submission of Papers

Email one-page abstract to T.J.Moir@Massey.ac.nz, with a subject M2VIP08 Paper, for screening to check the scope and suitability. Also include in the abstract the corresponding author's contact and email address. For the accepted abstract, the author(s) will be invited to submit full paper for peer reviewing.

Important Dates

Abstract submission: ~~1 June 2008~~ **20 June 2008 (Extended)**

Acceptance of abstract: 15 July 2008

Full paper submission: 1 September 2008 (via IEEEExplore – EDAS)

Notification of full paper acceptance: 1 October 2008

Revised manuscript: 1 November 2008 (via IEEEExplore – EDAS)

Journal publication (selected papers): Middle of 2009 (www.inderscience.com)

Conference Inquiry

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Acknowledgement: Maori figure in the conference logo reformatted from a Maori art at www.kiwiartz.co.nz

15th International Conference on Mechatronics and Machine Vision in Practice
Massey University, Auckland, New Zealand, 2 - 4 December 2008
www.m2vip.com; m2vip.massey.ac.nz

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