



16th International Conference 2009/10 on Mechatronics and Machine Vision in Practice

Universiti Brunei Darussalam, Brunei, 22-24 June 2010

2009/10 Call for papers – new dates

Supported by:

IEEE Hong Kong Section Consumer Electronics Chapter, IET Hong Kong Electronics Section, IET Hong Kong ICT Section, Institution of Mechanical Engineers (UK), City University of Hong Kong, University of Southern Queensland, IEEE Hong Kong Section Robotics and Automation/ Control Systems Joint Chapter, IET Brunei Network

Theme

'Mechatronics' has become accepted for what it is, the blending of mechanics, electronics and computer control into an integrated design. Degree courses in mechatronics are now widespread. That does not mean that mechatronics has lost its 'art'. It continues to be 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.

Machine-vision has emerged from the laboratory to find real applications in areas which include vehicle guidance, robot control and agriculture. 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.

Like its fifteen predecessors, M2VIP 2009 will provide a 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. Presentations are encouraged to include video material of experimental systems.

Topics

The topics covered in the conference will include, but not be limited to, the following:

Medical mechatronics, consumer mechatronics, including toys/entertainment industry, 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, and machine vision. Special encouragement is given to applications of robotics and machine vision in agriculture.

Registration Fee: (Provisional)

Members of IEEE/IEE/IMECH

Non-members

Full-time students (student ID required)

Earlybird After May 1

US\$320 US\$350

US\$350 US\$380

US\$150 US\$165

Submission of Abstracts:

Send an abstract before **14 December 2009** in the form of a **plain-text email** equivalent to a single page, with a clear title, summary and description of the contents of the paper to be offered and an indication of any 'special' presentation features such as video material or small working models. Send this email to billings@usq.edu.au with a subject-line starting *M2VIP2009 Abstract* and followed by a few words to identify your paper. Make sure that your 'reply' address is valid! Notification of selected papers will begin around **1 January 2010**, with a request for a full manuscript for review. These authors will be sure that their topic is of interest to the conference and its novelty is likely to meet with the approval of the referees.

Submission of Full Papers:

Full papers may be submitted without an abstract review and all manuscripts will be subject to full-paper review. All accepted final papers will be included in the conference CDROM proceedings.

A selection of the best papers will be published in book form by Springer-Verlag, extending the series "Mechatronics and Machine Vision in Practice".

Further Information:

Prof John Billingsley billings@usq.edu.au or look at the Conference web site <http://www.m2vip.com>

Social programme:

A full social programme has been arranged to savour the delights of Brunei. For those arriving before the conference, or staying on afterwards, there are full day tours around Brunei, and to other parts of South East Asia. Each evening there will be a major social function (included in the registration fee). This will include the conference banquet, and a traditional Brunei meal by the sea.

Hotel accommodation:

Universiti Brunei Darussalam has a variety of accommodation that will be available on a first-come, first-served basis following registration. There are many international class hotels close to the conference venue.

About Brunei:

Consisting of lush green tropical forests, a diverse range of flora and fauna and a wealth of traditional heritage, the sultanate of Brunei is a door that opens up to a world of beauty and riches. From national parks abounding in wildlife to historical sites, royal palaces, cultural centres and oil reserves, Brunei contains everything that is sure to fascinate any tourist. Sightseeing destinations include Omar Ali Saifuddien Mosque, Kampong Ayer, Royal Regalia Building, Brunei History Centre, Royal Ceremonial Hall and the royal palace of the Sultan.

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