From: "Huiyu Zhou" H.Zhou@ecit.qub.ac.uk
Subject: CFP1: SPECIAL ISSUE ON "BEHAVIOURS IN VIDEO", NEUROCOMPUTING
To: "'Huiyu Zhou'" h.zhou@qub.ac.uk
Date: Tue, 30 Nov 2010 10:20:43 -0000

My apologies if you have received multiple copies of the following message. Please forward this message to anyone who may be interested.

CFP NOVEMBER 2010

Call for Papers on ?Behaviours in Video?, Neurocomputing

SCOPE

Video cameras have been commonly used in our daily life. With a significant increment of the number of CCD cameras used for various purposes, there is a demanding call for advanced video analysis techniques that can be used to systematically interpret and understand the semantics of video contents, which have been recorded in security surveillance, intelligent transportation, health care, video retrieving and summarization. Understanding and interpreting human behaviours based on video analysis have observed competitive challenges due to non-rigid human motion, self and mutual occlusions, and changes of lighting conditions. To solve these problems, advanced image and signal processing technologies such as neural network, fuzzy logic, probabilistic estimation theory and statistical learning have been overwhelmingly investigated.

The primary purpose of this special issue is to organise a collection of recently developed video analysis techniques for understanding/interpreting human behaviours, starting from human detection and tracking, segmentation, spatial and temporal features extraction, human body modelling and synthesis, event detection and behaviour learning, including the applications of these techniques. The special issue is intended to become an international forum for researches to report the recent developments in this field in an original research paper style. The topics include, but are not limited to:

- Human object detection and segmentation

- Tracking of human objects

- Detection and tracking using sensor networks

- Crowd estimation and crowd behaviour analysis

- Occlusions and segmentation errors handling

- 2D/3D articulated human body modelling

- Modelling and learning of human behaviours

- Knowledge interpretations of human behaviours

- Applications and user studies

- Other behaviours in videos

SUBMISSION GUIDELINES

Before submission authors should carefully read over the journal's Author Guidelines, which are located at http://www.elsevier.com/wps/find/journaldescription.cws_home/505628/authorinstructions.

Prospective authors should submit an electronic copy of their complete manuscript (6-15 pages in the Neurocomputing publishing format) through the journal manuscript tracking system at the web site: http://ees.elsevier.com/neucom/, indicating that their contribution is for the special issue ?Behaviours in Video?. Submitted manuscripts will be reviewed according to the peer review policy of Neurocomputing.

IMPORTANT DATES

Manuscript Due April 15, 2011

First Round of Reviews June 15, 2011

Second round of Reviews July 15, 2011

Publication Date TBD

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