BRISTOL VISION INSTITUTE

BVI REFRESH – AUTUMN 2010

Welcome to the BVI newsletter – the latest BVI news.

BVI Biomedical Imaging Workshop 18 October

BVI has been awarded funding to jointly organise a workshop with the Institute for Bio-Sensing Technology at UWE. The workshop on *Biomedical Imaging: Challenges and Solutions for Automated Analysis and Interpretation* will be held at the UWE Conference and Exhibition Centre on October 18th 2010 from 10am. Attendance is FREE. Register at http://www.biosensingtech.co.uk/

A new time for the BVI Seminar Series

This year, BVI Seminars will be held on alternate Fridays from 16:00-17:00 in 2D2 Psychology, and will be followed by informal drinks. This move follows consultation within BVI to determine the most appropriate time. If you would like to give a seminar in the autumn term, or if you can suggest an external speaker with broad appeal across BVI, please email the BVI Postdoctoral Representative, Sion Hannuna: hannuna@cs.bris.ac.uk
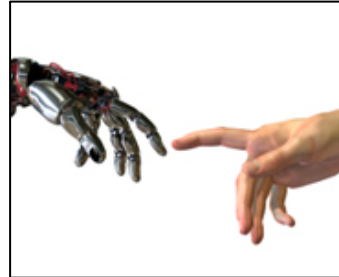
New BVI Website

BVI has commissioned the design of a new website. We hope that this will be on-line during October 2010. Please feed any comments to Dan.O'Sullivan. dan.osullivan.03@bristol.ac.uk

Membership Update

With the start of term BVI we welcome several new recruits – especially PhDs and RAs. Please ensure that their names are sent to Dave Bull to ensure that they are added to the mailing list.

BVI Welcome Lab update

The shared lab facility for BVI has been progressing well over the summer. A 10-camera Qualisys motion capture system is in place with a virtual reality head-mounted display and a system for stereo back-projection on order. Dr. David Redmill has joined the team from Electrical & Electronic Engineering to provide full-time technical support for the facility. BVI members are encouraged to involve the facility in their future grant proposals. If you would like to see the equipment or discuss ideas for its use, please contact c.ludwig@bristol.ac.uk, extension 17251.

Computers that can learn from us

Computer systems which can learn from us and then help to carry out complex tasks may become a reality thanks to new research by BVI members. The €3.2M EU-funded project, 'COGNITO', will investigate the learning of human sensory-motor activities. Dr Andrew Calway and Dr Walterio Mayol-Cuevas from the Visual Information Laboratory (Dept Computer Science) will use data captured from on-body sensors to design systems that can observe and then learn how people do things. The Bristol team will carry out research into advanced computer vision algorithms to monitor human activities using on-body cameras. Contact: Andrew.Calway@bristol.ac.uk.

KTP post in Advanced Machine Vision

An opportunity has arisen on a joint project, under the Knowledge Transfer Partnership (KTP) programme, between Aralia Systems and the University of the West of England. The project will apply advanced machine vision techniques to enhance scene analysis capabilities of Aralia's system for assessing viewer behaviour in cinemas. Melvyn.Smith@uwe.ac.uk

A new force in Computer Vision

From October 2010, The Signal Processing Group (Elec Eng) and the Computer Vision Group (Comp Sci) are merging. The new group will operate under the title: Visual Information Laboratory and is one of the largest (and of course best!) in the UK. For further information please contact: dave.bull@bristol.ac.uk

Dynamic Beauty!

Congratulations to Drs. Penton-Voak (Psychology), Burn (Anatomy and Mechanical Engineering) and Clark (Brunel University) on their Leverhulme grant, 'Dynamic beauty: Studying social impressions with realistic stimuli'. This is the first grant to have been awarded for work in the new BVI facility. It involves linking anthropometrics and biomechanical measures of gait with measures of attractiveness and other social attributions that are made to moving bodies.

EU Science and Technology Fellowship

Artur Loza (Dept Elec Eng) has been awarded a prestigious 2 year Fellowship to work at Shanghai Jaio Tong University. This creates an important link between the BVI's Visual Information Laboratory and this leading Chinese Research University.

International White Shark Database

Building on the success of Bristol's Penguin Passports project (included in the 2009 Christmas Lectures) Bristol is now to lead a collaboration to build an international White Shark ID database. http://www.bristol.ac.uk/news/2010/7177.html

New Fellow of the IAPR

Congratulations go to Professor Majid Mirmehdi who was elected a Fellow of the International Association of Pattern Recognition in August 2010.

UWE MVL lead EU Workshop

The UWE Machine Vision Laboratory (MVL) has recently taken part in two successful international conferences that look set to widen collaborations with international partners in Europe and India. In late September 2010, Dr Lyndon Smith and Scott Mandry were invited to lead a workshop 'Low Cost Imaging Technologies for Healthcare' at the prestigious ICT conference in Brussels. A second event - The International Conference and Exhibition on Biometric Technology (ICEBT 2010) was run with PSG College in Coimbatore in India in early September 2010.

PhD Scholarship

Congratulations to Esra Tunc (Dept Elec Eng and Visual Information Lab) who has been awarded the Bosworth Smith Trust Fund, Edgar Pam Fellowship and G Vernon Hobson Bequest by The Institute of Materials, Minerals & Mining.

Sugestions on BVI Refresh to:

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www.bristol.ac.uk/vision-institute/