ViiHM
Member initiated events

Call for Participation
Mini-Workshop on `Higher level scene understanding and application in robot vision'

Place & Date: The George Hotel, 19-21 George Street, Edinburgh, EH2 2PB || March 19-20, 2016.

Active participations are solicited for attendance at the mini-workshop on 'Higher level scene understanding and application in robot vision'. This mini-workshop is the part of member initiated events by ViiHM (Visual Image Interpretation in Humans and Machines), an EPSRC network for Biological and Computer Vision (http://www.viihm.org.uk/). The proposed workshop differs from traditional presentation style workshop structure and aims to engage participants by a number of brainstorming sessions and discussions in a non-academic setting. The possible outcomes of the proposed workshop include a) a multi-discipline review or summary paper, b) outlining labelled video datasets preparation, c) establishing an open source software framework for computational visual saliency models and d) forming interdisciplinary collaboration for future research.

Guest Speakers:
> Prof Fred Stentiford (University College London)
> Prof Andrew Wallace (Heriot-Watt University, Edinburgh)

Cost: Free to attend. Limited funding is available to cover travel expenses.

The number of delegates is restricted to maximum of 10 attendees and will be allocated first come first served basis. Priority will be given to less established researchers and academics.

Registration:
To register for this workshop please send email to Dr Deepayan Bhowmik (d.bhowmik@hw.ac.uk).

Draft agenda:

Day 1: Saturday, March 19

10:30 – 11:00	Welcome & Morning tea / coffee
11:00 – 12:00	Guest Lecture I
12:00 – 13:00	Lunch
13:00 – 14:00	**Brainstorming Session I:** Importance of high and low-level features in understanding scene saliency.
14:00 – 15:00	**Brainstorming Session II:** Computational models for visual saliency estimation.
14:30 – 15:00	Afternoon tea / coffee
15:00 – 16:00	**Brainstorming Session III:** Saliency based behavioural study in public space for anomaly detection relating public safety.
16:00 – 17:00	**Brainstorming Session IV:** Challenges and issues related to labelled datasets for saliency research.

Day 2: Sunday, March 20

09:00 – 9:30	Morning coffee
09:30 – 10:30	Guest Lecture II
10:30 – 12:00	**Brainstorming Session V:** The application of visual saliency in scene understanding for robot vision.
12:00 – 13:00	Lunch
13:00 – 14:00	**Brainstorming Session VI:** Embedded imaging hardware for real-time processing.
14:00 – 15:00	Future directions: a) Review / Summary paper. b) Collaboration and opportunities for future research.
15:00 – 15:30	Closing