

Workshop on

Algorithms for the Understanding of Dynamics in Complex and Cluttered Scenes

The understanding of a complex scene has rapidly become one of the most challenging and researched computer vision topics of the last decade. Understanding the underlying stochastic processes of a scene where people interact with other people and the environment has a deep scientific value and attracts a large variety of application domains, including safety (nursing home, hospital etc), security (public and private spaces), robotics (human-robot interaction), sociology and psychology (group work). This workshop will be unique as it will address the mathematical and algorithmic challenges behind the comprehension of dynamics in a complex scene

We welcome papers in the following research areas

- Crowd understanding
- Interpretation of individual intentions
- Novel video sensors for real-time interpretation
- Learning algorithms
- Novel applications of dynamics understanding
- Methods for Extreme Dynamics (very high clutter)
- Advanced Compression techniques for Motion and Video Semantics

Important Dates

Paper submission: 23rd July 2007

Decision: 24th August 2007

Final submission: 7th September 2007

Organizers

Dr Paolo Remagnino p.remagnino@kingston.ac.uk Digital Imaging Research Centre Kingston University	Professor Larry Davis lsd@cs.umd.edu Institute for Advanced Computer Studies University of Maryland
Dr Fatih Porikli, MERL, USA, fatih@merl.com	Professor Massimo Piccardi, University of Technology Sydney, massimo@it.uts.edu.au