Ph.D. Defense
by
Huamin Ren

Time: Thursday, December 8th 2016, 13:00-16:00
Place: Room 3.529, Rendsburggade 14, 9000 Aalborg

Title of the Thesis
Understanding behaviors in video
– from feature extraction to sparse representation and deep neural networks for classification

Introduction
Human behavior understanding has become more and more important in past decades; its applications vary from action recognition, pedestrian detection, human to human/objects interactions, group behaviors detection, and abnormal event detection. Among these applications, the thesis focuses on two types of behavior understanding applications, that is, abnormal event detection and action recognition. Furthermore, three research topics that are fundamental steps in recognition/detection systems are covered. They are feature extraction, sparse representation, and deep neural networks for classification.

Supervisor
Professor Thomas B. Moeslund
Department of Architecture, Design and Media Technology, Aalborg University

Members of the assessment committee
Associate Professor Claus Brøndgaard Madsen (Chair)
Department of Architecture, Design and Media Technology, Aalborg University
Professor Norbert Krüger
The Maersk Mc-Kinney Moller Institute, University of Southern Denmark
Associate Professor Jordi Gonzàlez
Computer Vision Center, Universitat Autònoma de Barcelona

A small reception will be arranged afterwards.
The PhD Dissertation can be obtained from Huamin Ren by sending an email to Huamin.Ren@gmail.com.