

VECTaR 2011: Workshop Program

9:00-9:05 Opening Remarks

9:05-10:05 **Keynote Speech 1**

Title: **Multi-Camera Re-Identification**

Prof. Shaogang Gong

Queen Mary University of London.

10:05-10:30 Break

10:30-11:30 **Keynote Speech 2**

Title: TBA

Dr. Ivan Laptev, INRIA France

Oral Session 1

11:30-11:55

Inferring Social Roles in Long Timespan Video Sequence

Jianguan Zhang, Beijing Institute of Technology, Beijing, China, and Lotus Hill Research Institute, Wuhan, China

Wenze Hu, University of California, USA

Benjamin Yao, University of California, USA

Yongtian Wang, Beijing Institute of Technology, Beijing, China

Song-Chun Zhu, University of California, USA, and Lotus Hill Research Institute, Wuhan, China

11:55-12:20

Incorporating Temporal Context in Bag-of-Words Models

Tamar Glaser, Technion Israel

Lihi Zelnik-Manor, Technion Israel

12:20-12:45

A Generative Framework to Investigate the Underlying Patterns in Human Activities

Manavender R. Malgireddy, University at Buffalo

Ifeoma Nwogu, University at Buffalo

Venu Govindaraju, University at Buffalo

12:45-15:00 **Lunch and Poster Session**

Human Focused Video Description

Muhammad Usman Ghani Khan, The University of Sheffield, UK
Lei Zhang, Harbin Engineering University, China
Yoshihiko Gotoh, The University of Sheffield, UK

Fine-grained Categorization of Fish Motion Patterns in Underwater Videos

Mohamed Amer, Oregon State University USA
Emil Bilgazyev, University of Houston USA
Sinisa Todorovic, Oregon State University USA
Shishir Shah, University of Houston USA
Ioannis Kakadiaris, University of Houston USA
Lorenzo Ciannelli, Oregon State University USA

Structure Context of Local Features in Realistic Human Action Recognition

Qiuxia Wu, South China University of Technology, China, and The University of Sydney, Australia
Shiyang Lu, The University of Sydney, Australia
Zhiyong Wang, The University of Sydney, Australia
Feiqi Deng, South China University of Technology, China,
wenxiong Kang, South China University of Technology, China,
Dagan Feng, The University of Sydney, Australia

Individuals, Groups, and Crowds: Modelling Complex, Multi-Object Behaviour in Phase Space

Ricky Sethi, UCLA
Amit Roy-Chowdhury, UC Riverside

A Hybrid Framework for Event Detection Using Multi-modal Features

Ehtesham Hassan, IIT Delhi
Santanu Chaudhury, IIT Delhi
M Gopal, IIT Delhi
Vikram Garg, IIT Delhi

Transductive Transfer Learning for Action Recognition in Tennis Games

Nazli Faraji Davar, University of Surrey
Teofilo DeCampos, University of Surrey
Josef Kittler, University of Surrey
Fei Yan, University of Surrey

Event-driven Feature Analysis in a 4D Spatiotemporal Representation for Ambient Assisted Living

Ahmed Nabil Belbachir, Austrian Institute of Technology, Austria.
Stephan Schraml, Austrian Institute of Technology, Austria.
Aneta Nowakowska, Austrian Institute of Technology, Austria.
Georg Wiesmann, Austrian Institute of Technology, Austria.
Robert Sablatnig, Vienna University of Technology, Austria

Recognizing Manipulation Actions in Arts and Crafts Shows using Domain-Specific Visual and Textual Cues

Benjamin Sapp, University of Pennsylvania USA

Rizwan Chaudhry, Johns Hopkins University, USA

Xiaodong Yu, Comcast Corp., USA

Gautam Singh, George Mason University, uSA

Ian Perera, University of Rochester, USA

Francis Ferraro, Johns Hopkins University

Evelyne Tzoukermann, The MITRE Corp.

Jana Kosecka, George Mason University, USA

Jan Neumann Comcast Corp. USA

Oral Session 2

15:00-15:25

YouTubeEvent: On Large-Scale Video Event Classification

Bingbing Ni, Advanced Digital Sciences Center, Singapore

Yang Song, Google

Ming Zhao, Google

15:25-15:50

Combining Sparse and Dense Descriptors with Temporal Semantic Structures for Robust Human Action Recognition

Jie Chen, University of Oulu, Finland

Guoying Zhao, University of Oulu, Finland

Vili Kellokumpu, University of Oulu, Finland

Matti Pietikäinen, University of Oulu, Finland

15:50-16:15

Detection of Activities and Events without Explicit Categorization

Masakazu Matsugu, Canon Inc. Japan

Masao Yamanaka, Canon Inc. Japan

Masashi Sugiyama, Tokyo Institute of Technology, Japan

16: 15-16:45 **Coffee Break**

16:45-17:10

Correcting Cuboid Corruption For Action Recognition In Complex Environment

Syed Zain Masood, University of Central Florida

Adarsh Nagaraja, University of Central Florida

Nazar Khan, University of Central Florida

Jiejie Zhu, University of Central Florida

Marshall Tappen, University of Central Florida

17:10-17:35

Video Event Detection Based on Over-segmented STV Regions

Jing Wang, University of Huddersfield; Zhijie Xu, University of Huddersfield

17:35-17:40 Close