

## ACM MM MIIRH 2013 PROGRAM

### Keynote Talk 1 (9:00 – 10:00)

Chair: Jenny Benois- Pineau

Image Analysis for Biomedical and Healthcare Applications

*L. Shapiro, University of Washington, USA*

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### Session 1

#### Multimedia And Multimodal Pattern Recognition For Healthcare Applications

(chair: Alexia Briassouli)

10:00 – 10:30

Activity detection and recognition of daily living events

*(K. Avgerinakis, , University of Surrey, UK,  
A. Briassouli, I. Kompatsiaris, CERTH-ITI, Greece)*

10:30 – 11:00

Modeling Instrumental Activities of Daily Living in Egocentric Vision as Sequences of Active Objects and Context for Alzheimer Disease Research

*(I. González Díaz, V. Buso, J. Benois-Pineau, University of Bordeaux, LaBRI, UMR, 5800, France, G. Bourmaud, R. Megret, University of Bordeaux, IMS Laboratory, UMR 5218, France)*

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11:00 – 11:30

**COFFEE BREAK**

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11:30 – 12:00

Combining Multiple Sensors for Event Recognition of Older People

*C.F. Crispim-Junior, INRIA - Sophia Antipolis, France, Q. Ma, Ecole Centrale de Pékin, Beihang University, China, B. Fosty, R. Romdhane, F. Bremond, M. Thonnat, INRIA - Sophia Antipolis, France*

12:00 – 12:30

Graph-Based Analysis of Physical Exercise Actions,

*(O. Çeliktutan, C. Burak Akgül, Bogazici University, Turkey, Ch. Wolf, Université de Lyon, CNRS; INSA-Lyon, LIRIS, France, B. Sankur, Bogazici University, Turkey)*

12:30 – 13:00

Fall Detection in Multi-Camera Surveillance Videos: Experimentations and Observations

*(S. Wang, University of Queensland, Australia, Zh. Xu, Zhejiang University, China, Y. Yang, Carnegie Mellon University, USA, X. Li, University of Queensland, Australia, Ch. Pang, CSIRO, Australia, A. Hauptmann, Carnegie Mellon University, USA)*

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13:00 – 14:30

**LUNCH**

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**Keynote Talk 2 (14:30 – 15:30)****Chair: Alexander Hauptmann**

Dementia and Dependency: a Major Challenge for the 21st century  
(*J.-F. Dartigues, University Hospital of Bordeaux, Bordeaux, France*)

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**Session 2****Multimedia Analysis and Feedback in Medicine****Chair: François Bremond**

15:30 – 16:00

Leveraging Biosignal and Collaborative Filtering for Context-Aware Recommendation  
(*M. F. Alhamid, M. Rawashdeh, H. Al Osman, A. El Saddik, University of Ottawa, Canada*)

16:00 – 16:30

Automatically Recommending Multimedia Content for Use in Group Reminiscence Therapy,  
(*A. Bermingham, Dublin City University, Ireland, J. O'Rourke, Adelaide & Meath Hospital Tallaght, Ireland, C. Gurrin, Dublin City University, Ireland, R. Collins, Adelaide & Meath Hospital Tallaght, Ireland, K. Irving, A. Smeaton, Dublin City University, Ireland*)

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**16:30 – 17:00**

**COFFEE BREAK**

17:00 – 17:30

A Cognitive Assistive System for Monitoring the Use of Home Medical Devices  
(*Y. Cai, Y., Yang, A. Hauptmann, Carnegie Mellon University, USA*)

17:30 – 18:00

Clinical Experience Sharing by Similar Case Retrieval  
(*N. Barzegar Marvasti, C. Burak Akgül, N. Kökcian, S. Üsküdarlı, P. Yolum, Bogazici University, Turkey, R. Turkay, B. Bakir, Istanbul University Istanbul Faculty of Medicine Department of Radiology, Turkey, B. Acar, Bogazici University Dept. of Electrical-Electronics Eng, vavlab, Turkey*)

18:00 – 18:30

Medical Image Retrieval using Bag of Meaningful Visual Words  
A.Foncubierta Rodriguez, A. García Seco de Herrera, H. Müller, University of Applied Sciences of Western Switzerland (HES-SO), Switzerland