



## Séminaire Hatice Gunes

Lundi 8 Juin 2015 à 14h00

Campus Jussieu, 4 place Jussieu, Paris

**Salle de réunion 304, ISIR**

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### Automatic Recognition of Human Affect and Social Signals

**Abstract :** Computing that is sensitive to affective and social phenomena aims to equip devices and interfaces with the means to interpret, understand, and respond to human personality, communicative and social states, emotions, moods, and, possibly, intentions in a naturalistic way -- similarly to how humans rely on their senses to assess each other's affective and social behaviour.

This talk will focus on automatic recognition of affective and social signals, and will present an overview of the recent works we have conducted in the Affective and Human Computing Lab. Automatic affect recognition will be covered in the context of human-computer interaction (expression and affect recognition of individuals) and co-located human-human interactions (analysis of dyadic interactions for collaborative music making and multi-person affect recognition). Social signal processing will be explored in the context of automatic prediction of trait impression in human-virtual character interactions and human-robot interactions.

**Short bio :** Hatice Gunes is a Senior Lecturer (Associate Professor) in the School of Electronic Engineering and Computer Science at Queen Mary University of London (UK) leading the Affective and Human Computing Lab. Her research interests lie in the multidisciplinary areas of affective computing and social signal processing, focusing on automatic analysis of emotional and social behaviour, multimodal interaction, computer vision, machine learning, and human-computer and human-robot interactions. She has published more than 70 technical papers in these areas (Google scholar citations > 1650, H-index=20) and was a recipient of a number of awards for Outstanding Paper (IEEE FG'11), Quality Reviewer (IEEE ICME'11), Best Demo (IEEE ACII'09) and Best Student Paper (VisHCI'06). Dr Gunes serves as an Associate Editor of IEEE Transactions on Affective Computing, on the Management Board of the Association for the Advancement of Affective Computing (AAAC), and the Steering Committee of IEEE Transactions on Affective Computing. She has also



served as a Guest Editor of Special Issues in Int'l J. of Synthetic Emotions, Image and Vision Computing, and ACM Transactions on Interactive Intelligent Systems, member of the Editorial Advisory Board for the Affective Computing and Interaction Book (IGI Global, 2011), co-founder and main organizer of the EmoSPACE Workshops at IEEE FG'15, FG'13 and FG'11, co-panel organiser for the panel on Emotional and Signals in Multimedia (ACM MM 2014), workshop chair of MAPTRAITS'14, HBU'13 and AC4MobHCI'12, and area chair for ACM Multimedia'15, ACM Multimedia'14, IEEE ICME'13, ACM ICMI'13 and ACII'13. She has been involved as PI and Co-I in several projects funded by the Engineering and Physical Sciences Research Council UK and the British Council.