

Training School on Advances in Secure, Smart & Immersive Media Consumption

When: Thursday, 01/12/2016

Where: Loughborough University London, Room: LDN102 (First Floor)

Overview

Clouds dominate the current and the future multimedia, which enable services from web-mails and online storage, to social networks, mobile applications, and video-on-demand. Business models evolved around the cloud technology by providing software applications, platforms, data storage, and infrastructure. Bandwidth intensive multimedia services, e.g., virtual reality and spatial audio are a few examples that can exploit the cloud infrastructure. Besides, the emerging smart environments that use sensing, perception, and machine learning methods to transform the way we access and consume content can be facilitated using clouds, where clouds host the intelligence and support the advanced interfaces between the end-users and multimedia applications. Above all, maintaining the end-to-end data and personal security is of utmost importance and poses great challenges.

CLOUDSCREENS is an EU-FP7 funded Initial Training Network aiming to train researchers on their scientific and technical skills in a unique multi-disciplinary and inter-sectoral research training network. The main objective of CLOUDSCREENS is to conduct research on new topics that contribute to the creation of the future multimedia services, covering the delivery and consumption, by leveraging clouds, device-based personal spaces, and smart environments while handling privacy and security.

This one-day training school organised by CLOUDSCREENS aims at providing the general knowledge on the topics of interest. Both CLOUDSCREENS supported researchers and guest researchers will give presentations during the day. Included subjects are the processing and distribution of next-generation video services, personal audio spaces, privacy preservation techniques, and sensing and interpretation within smart environments. This event is intended for a wide range of audience, including researchers, PhD and MSc students, and other individuals interested in some of the most recent advances in those fields.

Agenda

09:15 – 09:30 Arrival

09:30 – 10:15 Dr Rajitha Weerakkody, BBC R&D Centre, *“Convergence of broadcast and User Generated Content for interactive Ultra-High Definition services”*

10:20 – 11:05 Mr Ali Deniz Aladagli, Loughborough University London, *“360° video processing and delivery techniques over networks”*

11:10 – 11:25 Coffee break

11:25 – 12:10 Prof Sabah Jassim, Department of Applied Computing at University of Buckingham, *“De-identification and re-identification in cloud environments”*

- 12:15 – 13:00** Ms Shufei He, Loughborough University London, *“Speaker de-identification for privacy protection”*
- 13:05 – 13:50** Lunch and networking
- 13:50 – 14:35** Dr Harin Sellahewa, Department of Applied Computing at University of Buckingham, *“Touch gesture-based authentication on smart devices: How secure is pattern unlock?”*
- 14:40 – 15:25** Ms Zelin Wang, Loughborough University London, *“Automatic System Control in a Smart Environment for Multimedia Delivery”*
- 15:30 – 15:45** Coffee break
- 15:45 – 16:30** Mr Leny Vincelas, Loughborough University London, *“Personal Multi-Sound Zone Reproduction”*
- 16:35 – 17:00** Networking
- 17:00** End of the Training School

Directions to Loughborough University London

The London campus is convenient and accessible, with easy and affordable transport connections to central London. For the most comprehensive information on how to reach to the campus, please visit <http://www.lborolondon.ac.uk/about/location/transport-links/>