

# Aula Riunioni DII

## Largo Lucio Lazzarino 1, Pisa

### May, 14 – h. 15.00

## Mobile Augmented Reality

Mobile Augmented Reality (MAR) is widely regarded as one of the most promising technologies in the next ten years. With MAR, we are able to blend information from our senses and mobile devices in myriad ways that were not possible before. The way to supplement the real world other than to replace real world with an artificial environment makes it especially preferable for applications such as tourism, navigation, entertainment, advertisement, and education. In this talk, I will first give an overview of the MAR research in our lab and then I will use two systems that we have developed as examples to illustrate the research challenges that we have to face for our research. These two MAR systems are Ubii - Ubiquitous Interface for Seamless Interaction between Digital and Physical Worlds, and Cardea - Context-aware Visual Privacy Protection from Pervasive Cameras. I will go through them in details.

### Pan Hui

#### Nokia Chair in Data Science, University of Helsinki & HKUST

Professor Pan Hui received his PhD from the Computer Laboratory at University of Cambridge, and both his Bachelor and MPhil degrees from the University of Hong Kong. He is the Nokia Chair Professor in Data Science and Professor of Computer Science at the University of Helsinki. He is also the director of the HKUST-DT System and Media Lab at the Hong Kong University of Science and Technology. He was an adjunct Professor of social computing and networking at Aalto University from 2012 to 2016, a senior research scientist and then a Distinguished Scientist for Telekom Innovation Laboratories (T-labs) Germany from 2008 to 2015. His industrial profile also includes his research at Intel Research Cambridge and Thomson Research Paris from 2004 to 2006. His research has been generously sponsored by Nokia, Deutsche Telekom, Microsoft Research, and China Mobile. He has published more than 250 research papers and with over 15,500 citations. He has 30 granted and filed European and US patents in the areas of augmented reality, mobile computing, and data science. He has founded and chaired several IEEE/ACM conferences/workshops, and has been serving on the organising and technical program committee of numerous top international conferences. He is an associate editor for IEEE Transactions on Mobile Computing and for IEEE Transactions on Cloud Computing. He is an ACM Distinguished Scientist and IEEE Fellow

