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## **“Smart Phones Location at indoor environments: building a pre-commercialised indoor location system.”**

Friday June 13, 10:15 (10:15 am), Wigforssalen, Halmstad

### **Abstract:**

Indoor localization technology is attracting considerable attention in the last years both from academia and industry. Since technologies like GPS designed to work outdoors do not work properly indoors, a number of different technologies have been proposed and commercialized for indoor environments. We will revise some of these technologies and focus our attention on a solution for the location of mobile devices (e.g. Android, iOS) developed at Universidad de Murcia. They are based on Machine Learning techniques to infer location. Currently, we are in the process of migrating the framework to a Big Data infrastructure. We will introduce all these aspects in the talk.

### **Short bio:**

Juan A. Botía is Profesor Titular in Universidad de Murcia, Spain. Currently, he is enjoying an Invited Researcher position at Middlesex University, London. His research areas are Machine Learning, Data mining and Multi-agent systems. He has focused his research to the application of Artificial Intelligence techniques to real world engineering problems. He has apply a number of intelligent techniques (e.g. Software Agents, Neural Networks, Decision Rule Learning, Hidden Markov models, Genetic Algorithms, Fuzzy and Neuro-fuzzy Systems) to the following domains: agriculture, robotics, entertainment, TV broadcasting, telecommunications, home care of elderly people and intelligent buildings. He has authored and co-authored more than a hundred publications including international journals with high impact, conferences, books and book chapters.

