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Smart Health: Improving Health Services within Smart Cities

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Resumen

The new era of mobile health ushered in by the wide adoption of ubiquitous computing and mobile communications has brought opportunities for governments and companies to rethink their concept of healthcare. Simultaneously, the worldwide urbanization process represents a formidable challenge and attracts attention toward cities that are expected to gather higher populations and provide citizens with services in an efficient and human manner. These two trends have led to the appearance of mobile health and smart cities. In this talk we introduce the new concept of smart health, which is the context-aware complement of mobile health within smart cities. We provide an overview of the main fields of knowledge that are involved in the process of building this new concept. Additionally, we discuss the main challenges and opportunities that s-Health would imply and provide a common ground for further research.

Sobre Agustí Solanas

Agustí Solanas (Tarragona, Catalonia, Spain, 1980) is the Head of the Smart Health Research Group and Associate Professor in the Department of Computer Engineering and Mathematics at the Rovira i Virgili University (URV) of Tarragona, Catalonia, Spain. He is also with the UNESCO Chair in Data Privacy. He obtained his M.Sc. degree in Computer Engineering from URV in 2004 with honours (Outstanding Graduation Award). He received a Ph.D. in Telematics Engineering from the Technical University of Catalonia in 2007 with honours (A cum laude). In 2008, he worked as post-doctoral researcher in the CRISES Research Group. In 2012, he was a visiting researcher in the Department of Mathematics and Physics of the University of Rome Tre (Italy). In 2013, he was visiting researcher in the Department of Mathematics of the University of Padua (Italy). His fields of activity are mobile health, smart health, cognitive health, data privacy, ubiquitous computing, and artificial intelligence specifically: clustering, pattern recognition and evolutionary computation. He has participated in several European-, Spanish-, and Catalan-funded research projects. Currently he is the principal investigator in the URV of the EU Project SUAC3I, he is member of the Management Committee of the European CRYTACUS COST Action and the Spanish project SIMPATIC. He has authored over 100 publications and he has delivered several invited talks worldwide.