



## TALK TITLE:

# Trustworthy cooperation among socially enhanced digital twins

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Registration info at <https://forms.gle/SW6scC3cBvgn6bAQ6>

### ABSTRACT:

The Internet of Everything (IoE) has become a reality with billions of devices able to send key information about the physical world and implement simple actions, which leads to the paradigm of anytime and anyplace connectivity for anything. Collaboration among devices is key for the construction of future IoE applications which can be achieved through Social Digital Twins (SDTs) as the digital representation of the services offered through devices attached to physical objects, which are able to acquire, analyze and interpret information about its context, to augment the potentialities of the associated services and with the ability to create social relationships among different DTs, independently from the fact that they belong to the same or different platforms. This talk aims to illustrate how the exploitation of social networking notions into the IoE, as formalized by the Social IoE concept, promises to ease the creation of trustworthy relationships among devices as humans do, which make the exchange of information and services among different devices easier.

### BIOGRAPHY

Michele Nitti is an Assistant Professor at the University of Cagliari, Italy since 2015. He received his Ph.D. in Electronic and Computer Engineering in 2014. He has been/is involved in the organization of several conferences and he has been an invited speaker on the topics of IoT and Social IoT. Currently, he is a member of the editorial board for the IEEE Internet of Things Journal, the Elsevier Computer Networks Journal and the MDPI IoT. Moreover, he is co-founder of an academic spin-off (GreenShare s.r.l.) which works in the mobility sector. He has received more than 3600 citations (source Google scholar) and his main research interests are on the Internet of Things (IoT), particularly in the creation of a network infrastructure to allow the objects to organize themselves according to a trustworthy social structure in Smart City scenarios.