

# Building the Internet of Things: from enabling technologies to security

**DII Meeting Room**  
**Largo L. Lazzarino, Pisa**  
**June, 13 – h. 15.00**

This talk introduces the Internet of Things (IoT) then focuses on key building blocks to realize effective IoT applications. It first presents communication technologies for device-to-device communication, then considers different architectures for distributed processing in IoT scenarios. It finally concludes by discussing secure interconnection of IoT devices to cloud services.

## **Mario Di Francesco** **Aalto University, Finland**

Mario Di Francesco is an Associate Professor (tenured) with the Department of Computer Science at Aalto University, Finland. He received his Ph.D. degree in information engineering from the University of Pisa in 2009. Mario was a research associate with the University of Texas at Arlington in 2009-2011 and a visiting associate research scholar at Princeton University in 2016. He received several awards in the last few years: best paper awards at UbiComp 2014 and the IoT conference 2015; a Google IoT Technology Research Award in 2016; a best teacher award from Aalto University School of Science in 2017. Mario is an area editor of the Pervasive and Mobile Computing journal. His research interests include the Internet of Things, pervasive computing, mobile networking, and performance evaluation.

