



### **Michele Rossi**

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**Biosketch.** Michele Rossi is Associate Professor with the Department of Information Engineering at the University of Padova, Italy. His current research interests are centered on Internet of Things (IoT), green mobile networks and wearable computing. In the last few years, he has been actively involved in EU projects on IoT technology (IOT-A, FP7-ICT-2009-5, project no. 257521) and has collaborated with SMEs such as Worldsensing (Barcelona, ES) in the design of optimized IoT solutions for smart cities and, with large companies such as SAMSUNG and INTEL. In 2014, he has been the recipient of a SAMSUNG GRO award with a project entitled “Boosting Efficiency in Biometric Signal Processing for Smart Wearable Devices”. Since 2016, he has been collaborating with INTEL on the design of IoT protocols exploiting cognition and machine learning, as part of the INTEL Strategic Research Alliance (ISRA) program. His research is also supported by the European Commission through the H2020 ITN SCAVENGE project (MSCA-ITN-ETN, project no. 675891) on green mobile networks. He has authored more than 100 scientific papers published in international conferences, book chapters and journals and has been the recipient of five best paper awards from the IEEE. Dr. Rossi currently serves on the Editorial Board of the IEEE Transactions on Mobile Computing and is a Senior Member of the IEEE.

### **Five recent & representative papers:**

1. Matteo Gadaleta, Michele Rossi, [IDNet: Smartphone-based Gait Recognition with Convolutional Neural Networks](#). *Pattern Recognition*, Vol. 74, pp. 25–37, Feb. 2018.
2. Mohsen Hooshmand, Davide Zordan, Tommaso Melodia, Michele Rossi, [SURF: subject-adaptive unsupervised ECG signal compression for wearable fitness monitors](#). *IEEE Access*, Vol. 5, pp. 19517 - 19535, Sept. 2017.
3. Davide Zordan, Tommaso Melodia and Michele Rossi, [On the Design of Temporal Compression Strategies for Energy Harvesting Sensor Networks](#). *IEEE Transactions on Wireless Communications*, Vol. 15, No. 2, Feb. 2016.
4. Nicola Bui and Michele Rossi, [Staying Alive: System Design for Self-Sufficient Sensor Networks](#). *ACM Transactions on Sensor Networks*, Vol. 11, No. 3, Mar. 2015.
5. Davide Zordan, Borja Martinez, Ignasi Villajosana and Michele Rossi, [On the Performance of Lossy Compression Schemes for Energy Constrained Sensor Networking](#). *ACM Transactions on Sensor Networks*, Vol. 11, No. 1, Aug. 2014.