

Curriculum Vitae

Giacomo Morabito

Contact information

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Biographical information

- Birthdate: [REDACTED]
- Place of birth: [REDACTED]
- Nationality: Italian

Education

- Ph.D. in Ingegneria Elettrica Elettronica Informatica e delle Telecomunicazioni, University of Palermo (and University of Catania)
- *Laura* degree in Ingegneria Elettronica (110/100 cum laude), University of Catania

Professional information

- Associate Professor in Telecommunications, University of Catania (2006-today)
- Assistant Professor in Telecommunications, University of Catania (2002-2006)
- Research Engineer, Georgia Institute of Technology (1999-2001)

Teaching and education activities

Giacomo Morabito has taught several courses for both undergraduate and graduate students, including:

- Teoria dei segnali (Signal Theory)
- Architetture e tecnologie dei sistemi di telecomunicazioni (Architectures and Technologies for Telecommunication Systems)
- Fondamenti di telecomunicazioni (Telecommunication basics)
- Sistemi e apparati di rete (Network systems and devices)
- Comunicazioni via satellite (Satellite Communications)

Giacomo Morabito has been the advisor for the thesis work of several students at undergraduate and graduate (both MS and Ph.D.) level.

Research

Giacomo Morabito has been involved in several research projects (national and European). He has played coordinator role in the following projects:

- CSSE (Piano Nazionale di Ricerca Militare): coordinator of the University of Catania research unit
- DISCREET (European project): coordinator of the CNIT Research Unit at the University of Catania

He has been author of over 100 papers, in the following a list of 10 selected publications:

- L. Atzori, A. Iera, G. Morabito, M. Nitti The Social Internet of Things (SloT) - When social networks meet the Internet of Things: Concept, architecture and network characterization. *Computer Networks*. Vol. 56, No. 6, pp. 3594 - 3608. November 2012.
- I. F. Akyildiz, G. Morabito, and S. Palazzo. TCP-Peach for Satellite Networks: Analytical Model and Performance Evaluation. *International Journal of Satellite Communications*. Vol. 19, No. 5, pp. 429-442. September/October 2001.
- L. Galluccio, S. Milardo, G. Morabito, and S. Palazzo. SDN-WISE: Design, prototyping and experimentation of a stateful SDN solution for Wireless Networks. *Proc. of IEEE Infocom 2015*. April 2015.
- E. De Leo, L. Donvito, L. Galluccio, A. Lombardo, G. Morabito, L. M. Zanolli. Communications and Switching in Microfluidic Systems: Pure Hydrodynamic Control for Networking Labs-on-a-Chip. *IEEE Transactions on Communications*. Vol. 61, No. 11, pp. 4663 - 4677. November 2013.
- S. Salsano, N. Blefari-Melazzi, A. Detti, G. Morabito, L. Veltri. Information Centric Networking over SDN and OpenFlow: Architectural Aspects and Experiments on the OFELIA Testbed. *Computer Networks*. Vol. 57, No. 16, pp. 3207-3221. November 2013.
- A. Mei, G. Morabito, P. Santi, and J. Stefa. Social-Aware Stateless Forwarding in Pocket Switched Networks. *IEEE Infocom 2011 - Mini-Conference*. Shanghai, China. April 2011.
- G. Morabito. Exploiting the Timing Channel to Increase Energy Efficiency in Wireless Networks. *IEEE Journal on Selected Areas of Communications*. Vol. 29, No. 8, pp. 1711 - 1720. September 2011.
- D. Ferrara, L. Galluccio, A. Leonardi, G. Morabito, and S. Palazzo. MACRO: An Integrated MAC/Routing Protocol for Geographical Forwarding in Wireless Sensor Networks. *Proc. of IEEE Infocom 2005*. March 2005.
- R. Catanuto, S. Toumpis, and G. Morabito. Opti{c,m}al: Optical/Optimal Routing in Massively Dense Wireless Networks. *Proc. of IEEE Infocom 2007*. May 2007.
- A. Lombardo, G. Morabito, and G. Schembra. An Accurate and Treatable Markov Model of MPEG-Video Traffic. *Proc. of IEEE Infocom'98*. March/April 1998.

Professional services

- Editor for *Computer Networks*, *IEEE Wireless Networks*, and *Wireless Networks*
- Co-founder, co-chair, and steering committee member of ACM Information Centric Networking (conference and SIGCOMM workshop)
- General Co-Chair ACM NanoCom 2016, and Med-Hoc-Net 2006
- Technical Program Co-Chair of Med-Hoc-Net 2004
- Tutorial Chair of Networking 2007 and EWSN 2005

He has served in the TPCs of a large number of conferences including IEEE Infocom, IEEE ICC, and IEEE Globecom, IEEE SECON, and IFIP Networking.

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