

PERSONAL INFORMATION

Fabio Antonelli

WORK EXPERIENCE

- 2016 **Head of OpenIoT Research Area**
CREATE-NET, Trento, Italy
- Lead of research team on open platforms and enabling technologies for the Internet of Things
- [Business or sector](#) Internet of Things Research & Development
- 2011-2016 **Future Media Solutions – Research & Applications Area Head**
CREATE-NET, Trento, Italy
- Lead of research and innovation team on interactive audio-visual services on future internet infrastructures and open platforms for the media and creative sectors
- [Business or sector](#) Media Industries Research & Development
- 2010-2011 **Program Manager**
Shared Service Center Srl, Trento, Italy
- Responsible for development and maintenance of Telecom Italia Service Assurance Systems
- [Business or sector](#) Telecom
- 2005-2010 **Solution Architect**
Telecom Italia Spa, Trento, Italy
- Coordination of Solution Architecture Team for ICT/TLC OSS and BSS solutions of Telecom Italia
- [Business or sector](#) Telecom
- 1995-2005 **Project Manager**
Sodalìa Spa, Trento, Italy
- Telco Operations Support System and Business Support Systems development and maintenance
- [Business or sector](#) Telecom
- 1995-1998 **Software Engineer & Software Architect**
Sodalìa Spa, Trento, Italy
- Software Architecture and Design Definition
 - Software Development
- [Business or sector](#) Telecom
- 1994-1995 **Software Engineer**
Alcatel Telettra Spa, Vimercate, Milan, Italy
- Software Design, Development, Testing
- [Business or sector](#) Telecom

EDUCATION AND TRAINING

February, 1993 **Master in Electronic Engineering (100/100)**Replace with EQF
(or other) level if
relevant

Politecnico di Milano

- Specialization in Information Technology

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
German	A1	A1	A1	A1	A1

Organisational / managerial skills

Well established experience in activity planning and control. Long-time experience of team leadership in software design, software development, project management.
Experience in research group management, research projects management.

Job-related skills

Software architecture design, system integration and development methodologies, software development, technology scouting, technology transfer;
Research skills on:

- IoT platforms and enabling technologies, fog computing, blockchain and decentralized technologies or IoT;
- Interactive audiovisual service, open platforms and Future Internet network infrastructures for the media and creative industries (with special focus on tourism and cultural services)

Research funding scouting and preparation

ADDITIONAL INFORMATION

Publications

- Daniele Pizzolli, Giuseppe Cossu, Daniele Santoro, Luca Capra, Charalampos Doukas, Corentin Dupont, Francesco De Pellegrini, Fabio Antonelli, and Silvio Cretti. Cloud4IoT: A Heterogeneous, Distributed and Autonomic Cloud Platform for the IoT", In IEEE CloudCom conference proceedings,
- R. Giaffreda, L. Capra and F. Antonelli, "A Pragmatic Approach to Solving IoT Interoperability and Security Problems in an eHealth Context" accepted for publication at IEEE World Forum on Internet of Things, Reston VA (USA), December 2016
- Co-author of "Map of technology and business challenges for the Future Internet" whitepaper (@fiware.org/mundus/#roadmap) 2016
- Author of the "Media Internet" chapter of "A Future Internet Roadmap for the FIWARE ecosystem" whitepaper, (@fiware.org/mundus/#roadmap) 2016
- Doukas, C., and F. Antonelli, "Developing and deploying end-to-end interoperable & discoverable IoT applications", IEEE International Conference on Communications (ICC 2015), SAC04 - Internet of Things, London, UK, IEEE, pp. 673-768, Sep, 2015, Conference Paper .
- Doukas, C., F. Antonelli, and D. Miorandi, "Enhancing the Retail Experience through BLE Sensors and the COMPOSE IoT Framework", IEEE Sensors Applications Symposium 2015, Zadar, Croatia, IEEE, Apr, 2015, Conference Paper
- Jaupaj, E., A. Tamin, I. Carreras, C. Doukas, L. Capra, and F. Antonelli, "Providing generic support for IoT and M2M for mobile devices", IEEE RIVF International Conference, 2015, Can Tho, Vietnam, IEEE, pp. 192-197, Jan, 2015, Conference Paper
- Doukas, C., and F. Antonelli, "A Full End-to-End Platform as a Service for Smart City Applications", IEEE International Conference on Wireless and Mobile Computing, Networking and Communications, WiMob 2014, Larnaca Cyprus, Oct, 2014, Conference Paper
- Mandler, B., F. Antonelli, R. Kleinfeld, C. Pedrinaci, D. Carrera, A. Gugliotta, A. Gugliotta, D. Schreckling, I. Carreras, D. Raggett, et al., "COMPOSE - A journey from the Internet of Things to the Internet of Services", Workshop: Cloud Computing Project and Initiatives - CCPI'13, Mar, 2013, Conference Paper
- Doukas, C., and F. Antonelli, "COMPOSE: Building Smart & Context-Aware Mobile Applications utilizing IoT Technologies", IEEE 5th Global Information Infrastructure and Networking Symposium, Oct, 2013, Conference Paper

Recent Research Projects

- AGILE, H2020 EU Research & Innovation project, Principal Architect.
- CREATI-FI, FP7 EU Research project, Technical Coordinator.
- COMPOSE, FP7 EU Research project, pilot leader, dissemination management.
- SPECIFI CIP ICT PSP EU project, pilot leader.
- CultWays, EMMIA project, technical leader.