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Europass Curriculum Vitae

Personal information	
First name(s) / Surname(s)	Andrea Zanella
Address(es)	
Telephone(s)	
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E-mail	
Nationality	Italian
Date of birth	08/11/1972
Gender	Male
Work experience	Visiting Scholar at University of California, Los Angeles. Speakers in several international confrences. Consultant for several italian ICT companies and research centers.
Dates	Assistant professor at University of Padova – 01/2004, Visiting Scholar at UCLA - 2001
Occupation or position held	Associate Professor at University of Padova - 12/2014
Main activities and responsibilities	Research, didactic, project coordination, research lab coordination and organization, ICT consulting, bachelor/master/PhD student tutoring,
Name and address of employer	Department of Information Engineering, University of Padova, Via Gradenigo 6/B, Padova, Italy, 35131
Type of business or sector	Academia
Education and training	Laurea (master degree) in Telecommunication Engineering (summa cum laude)-1998, Doctoral degree – 2001
Title of qualification awarded	[Best student paper award] F. Guidolin, I. Pappalardo, A. Zanella, M. Zorzi , Context-Aware Handover in HetNets in the Proceedings of the European Conference on Networks and Communications 2014, 23-26 Jun. 2014, Bologna, Italy. DOI: not yet available [Best paper award] E. Menegatti, M. Danieletto, M. Mina, A. Pretto, A. Bardella, S. Zanconato, P. Zanuttigh, and A. Zanella, "Autonomous discovery, localization and recognition of smart objects through WSN and image features," IEEE Globecom, SaCoNas Workshop, 6 Jul. 2010, Miami, USA. [Best paper award] D. Miorandi and A. Zanella, "Performance Analysis of Limited- 1 Polling in a Bluetooth Piconet" the 9th Multi-Conference on Systemics, Cybernet- ics and Informatics and Co-located Conferences, 10–13 Jul. 2005, Orlando, Florida, USA.
Principal subjects/occupational skills covered	My major research interest is in the field of protocol design and performance evaluation of wireless systems. In particular, I have large expertise in the modeling and performance analysis of wireless local and personal area networks, IoT and M2M systems, cross-layer and cognitive protocols for multimedia transmissions over resource constrained networks, and localization algorithms for indoor wireless nodes. In the recent years, I have started a new research trail addressed to the design of pure hydrodynamic microfluidic systems.

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Name and type of organisation providing education and training	Department of Information Engineering, University of Padova, Via Gradenigo 6/B, Padova, Italy, 35131
Personal skills and competences	Long experience of participation in national and international collaborative research projects, included the FP7 projects SAPHYRE, MEDIEVAL, ARAGORN, NEWCOM. Furthermore, I have being involved in a number of collaboration with leading companies in the ICT field, as Alcatel Lucent Bell Labs, Telenor, Philips, ST-microelectronics.
Mother tongue(s)	Italian
Other language(s)	English (E), French (F)

Self-assessment	Understanding		Speaking		Writing
European level (*)	Listening	Reading	Spoken interaction	Spoken production	
Language E	Proficient	Proficient	Proficient	Proficient	Proficient
Language F	Basic	Basic	Basic	Basic	Basic

(*) Common European Framework of Reference for Languages

Organisational skills and competences	IEEE senior member, Editor for the IEEE Internet of Thing Journal since January 2013, of the Digital Communications and Networks (DCN) journal, edited by Elsevier, since January 2015, and of IEEE Transactions on Cognitive Communications and Networking since March 2015. Reviewer for several IEEE journals and international conferences in the ICT area. Coordinator of the SIGnals and NETworking (SIGNET) research lab, and member for the board of direction of the PhD School on Information Engineering.
Technical skills and competences	*5G and M2M Communications* - Medium access protocols in dense networks (RFTags, M2M, WSNs, MANETs) - Small cells management issues - SDN and NFV in 5G *Internet of Things and Wireless Sensor Networks* - IoT for Smart cities: architecture design and experimentation - Localization algorithms for WSNs - Ambient intelligence and augment reality - Communication protocols in vehicular networks (VANET) - WPAN conguration and management *Multimedia over wireless networks* - Cognitive techniques for QoE optimization in wireless networks - Voice over IP over Wireless networks - Transmission of 3D models over wireless networks - Scheduling algorithms for multimedia communications in WPANs *Analysis and optimization of wireless systems* - Resource management in cellular systems - Analysis and modeling of WLANs - Use of wireless systems in industrial environments *Other research topics* - Design and experimentation of micro uidic networking solutions - Stability and performance of networked control systems with realistic feedback channels - Optimization policies for Smart Grids

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