

CURRICULUM VITAE

(aggiornato a Gennaio 2018)

1. Personal information

First name / Surname	Antonio IERA
Address (personal):	Viale Della Repubblica, 231 87100 Cosenza, ITALY Tel.: +39 0984 1862612 ; Cell. +39 3471440180 e-mail: antoiera67@gmail.com
Address (professional):	University "Mediterranea" of Reggio Calabria Dept. D.I.I.E.S. Via Graziella (Feo di Vito) 89100 Reggio Calabria, ITALY Phone: +39 0965 169 3286 Fax: +39 0965 169 3247 e-mail: antonio.iera@unirc.it web: www.arts.unirc.it , www.social-iot.org
Nationality:	Italian
Place and date of birth:	Cosenza, ITALY - 02.08.1967
Gender:	Male

2. Work experience

From January 2005 to date

Full Professor of Telecommunications at the *Università degli Studi "Mediterranea"* of Reggio Calabria, Italy.

From October 2001 to January 2005

Associate Professor of Telecommunications at the *Università degli Studi "Mediterranea"* of Reggio Calabria, Italy.

From December 1997 to September 2001

Assistant Professor of Telecommunications at the *Università degli Studi "Mediterranea"* of Reggio Calabria, Italy.

From October 1994 to October 1995

Recipient of a "Commission of European Communities Fellowship Contract in RACE Mobility Action", Siemens AG, Munich, Germany

3. Education

From October 1992 to October 1995

PhD course in "Multimedia Technologies and Communication Systems".

Name of organization:	Università della Calabria, Cosenza, Italy.
Main research and study topics:	Multimedia communications systems, multimedia traffic management over broadband wired and wireless multimedia networks.

From September 1991 to July 1992
Master course in *Information Technologies*

Name of organization: CEFRIEL/Politecnico di Milano, Milan, Italy
Final mark: 100/100 cum laude
Research Area: Telecommunication Networks

From November 1985 to October 1991
Degree in Computer Engineering

University: Università degli Studi della Calabria, Cosenza
Final mark: 110/110 cum laude
Topic of the final dissertation: ATM Networks

4. Management activities:

From 2016 to date

Member of the Advisory Boards of the DOMUS technological District of Calabria Region

From 2013 to date

Member of the Scientific Committee of CNIT (National Inter-University Consortium for Telecommunications). This is a non-profit Consortium among 37 Italian Universities, whose main purpose is to coordinate and foster basic and applied research activities also looking for cooperation with national and international bodies and industries and provide advanced education and training in the area of Telecommunications

From 2012 to date

Member of the Academic Senatum of the University of Reggio Calabria.

From 2008 to date

Responsible (scientific and administrative) of the Laboratory in Reggio Calabria of the ICT Competence Center ("ICT-SUD") funded by the Italian Ministry of Research.

From 2002 to date

Scientific Responsible of the Laboratory for Advanced Research into Telecommunication Systems (ARTS) at the Department DIIES (www.arts.unirc.it)

From 2012 to May 2015

Member of the Board of Directors of the ICT-Sud Consortium. This is an inter-regional Consortium (Calabria, Sicilia, Campania, Sardegna, Puglia) finalized to technology transfer activities. Currently it has 66 partners: 13 Research Centers and Universities, 5 private-public Consortia, and 48 private partners, mainly SMEs operating in the ICT sector.

From 2010 to 2013

Member of the Board of Directors of the CALPARK Consortium (Calabrian Scientific and Technological Park). The Calabrian Universities hold 50%. Companies hold the remaining 50%

From 2010 to 2012

Delegate of the Rector for the Industrial Research activities and for the coordination of Regional, National and International projects of the University of Reggio Calabria in the field of ICT.

From 2008 to 2012

Chief of the Department DIMET (Informatics, Mathematics, Electronic, and Transportation Systems) of the University "Mediterranea" of Reggio Calabria

From 2008 to 2013

Member of the Managing Committee of CNIT (National Inter-University Consortium for Telecommunications).

From 2004 to 2015

Responsible of the Research unit at the University Mediterranea di Reggio Calabria of the National Research Group “Telecommunications and Information Theory”.

From 1999 to 2012

Delegate of the Dean of Faculty of Engineering for the tele-learning services and responsible of the Tele-learning and Teleconferencing laboratory and multimedia laboratory of the Faculty.

From 2007 to 2011

Coordinator of the Ph.D. Course in “Computer, Biomedical, and Telecommunication Engineering”, Faculty of Engineering, University of Reggio Calabria

From 2007 to 2010

Member of the Manging Committee of the Industrial Liaison Office (ILO) of the Università di Reggio Calabria

From 2007 to 2009

Member of the Board of Directors of the R&D Log Consortium (Logistica Ricerca e Sviluppo s.c.r.l.) whose aim is carrying out preparatory actions for the Technological District of Logistics and Transformation of Gioia Tauro. The Universities and Public research bodies hold 50%. Companies hold the remaining 50%

From 2001 to 2007

Delegate of the Dean of Faculty to the International Relationships

From 2004 to 2007

Delegate of the Rector of University Mediterranea for e_learning

From 2005 to 2007

Member of the Consultation Group for the “Information Society” of the Calabria Regional Council

From 1998 to 2007

Delegate of the Dean of Faculty of Engineering for the activities relevant to the SOCRATES / ERASMUS exchange program.

From 2001 to 2004

Member of the Board of Governors (Consiglio di Amministrazione) of the University of Reggio Calabria, representative of Associate Professors

In 2003

Member of the “Assembly of the Institutions” of the Civic Network of Reggio Calabria

From 1999 to 2003

Delegate of the Dean of Faculty of Engineering for the Project TELCAL (Piano Telematico Calabria).

From 1998 to 2001

Member of the Board of Governors (Consiglio di Amministrazione) of the University of Reggio Calabria, representative of Assistant Professors

5. Main national and international activities/recognitions

1. Co-Chair of the Demonstration Session at the 15th Annual IEEE Consumer Communications & Networking Conference, January 2018, Las Vegas, USA
2. Invited Lecturer (lecture title: Social Virtual Objects in the Edge Cloud) at the International School on “Enabling Technologies, Applications, and Methods for Emerging 5G Systems”, sponsored by the IEEE Broadcast Technology Society Italy Chapter, Reggio Calabria, 9th-11th October 2017,
3. Co-Chair of the Special Session “Communication, Security and Data Analysis in the Social Internet of Things” at the IEEE 14th International Symposium on Wireless Communication Systems (ISWCS 2017), Bologna, Italy, August 28-31, 2017.

4. Co-Chair of the Demonstration Session at the 14th Annual IEEE Consumer Communications & Networking Conference, 8-11 January 2017, Las Vegas, USA
5. Lecturer of the online IEEE Course on the topic “The Emerging Paradigm of the Social Internet of Things”, available online in the IEEEExplore Digital Library since June 2016
6. Co-Chair of the Special Session on the “Social Internet of Things” at the IEEE World Forum on Internet of Things, WF-IoT 2016, Reston, VA, U.S.
7. Tutorial on the topic “The Internet of Things moves into the Cloud” given at the IEEE International Conference on Cloud Engineering (IC2E) 2016, April 4-8, 2016, Berlin, Germany
8. Tutorial on the topic “Defining and analysing the Internet of Things in the age of Social Networks, Clouds, and Future Internet” given at the 13th Annual IEEE Consumer Communications & Networking Conference, 9th January 2016, Las Vegas, USA
9. Recipient of the *IEEE Runner-up Best Paper Award* for the paper published in the proceedings of the Conference IEEE World Forum on Internet of Things, WF-IoT 2015, Milan 2015
10. Tutorial on the topic “Understanding the IoT evolution to master the upcoming IoT revolution” given at the European Wireless Conference, Budapest, 20th may 2015
11. Tutorial on the topic “The Social Internet of Things” given at the IEEE International Conference on Cloud Engineering, IC2E 2015 Conference, Tempe, AZ, US, 9th march 2015
12. Invited Speaker at the Panel “Cloud and the Internet of Things”, IEEE International Conference on Cloud Engineering, IC2E 2015 Conference, Tempe, AZ, US, march 11th 2014
13. Guest editor (with Antonio F. Skarmeta and M. Victoria Moreno, University of Murcia) for the special issue “Smart Things, Big Data Technology and Ubiquitous Computing Solutions for the Future Internet of Things” in the Journal of Wireless Mobile Networks, Ubiquitous Computing, and Dependable Applications (JoWUA), Vol. 6, No. 1., March 2015
14. Responsible of the International collaboration agreement between University Mediterranea of Reggio Calabria and INRIA (Institut national de recherche en informatique et en automatique) - Lille, France with the endorsement of the International Relations Department of Inria under the label of “Inria International Partner”.
15. Invited Lecturer (lecture title: Evolution of the Internet of Things in the age of Social Networks) at the IEEE Signal Processing Society Summer School on Internet of Things and Machine-to-Machine Systems, Taipei, Taiwan, August 26th 2014
16. Tutorial on the topic “The Convergence of Social and Sensor Networks in the Internet of Things: From Theory to Practice” given at the IEEE WCNC 2014 Conference, Istanbul, April 6th 2014
17. Tutorial on the topic “Convergence of IoT and Social Networks” given at the IEEE World Forum on IoT 2014, Seoul, march 2014
18. Invited Speech on “Opportunities, Technologies, and Challenges of the Social Internet of Things” given at the School of Computer Science and Engineering of the Chung-Ang University, Seoul, march 2014
19. Tutorial on the topic “Social Internet of Things” given at the 9th IWCMC 2013 Conference, Cagliari, July 2013
20. Publicity chair of the “IEEE Workshop on Internet of Things Technology and Architectures”, Las Vegas, US, the 11th of October 2012.
21. Keynote Speech on the topic “Internet of Things” given at the 50th Anniversary International Conference FITCE 2011, Palermo, August 2011
22. Publicity chair of the “IEEE Workshop on Internet of Things Technology and Architectures”, Valencia, Spain, the 17th of October 2011.
23. Guest editor (with Christian Floerkemeir – M.I.T., Giacomo Morabito – Università di Catania, and Jin Mitsugi, Keyo University) for the special issue “*Internet of Things: The Next Big Thing in*

Communications?" in IEEE Wireless Communications Magazine. (call for papers 2009, pub. December 2010)

24. Technical co-chair of the 12th Thyrrenian International Workshop on the *"Internet of Things"*, Pula, Sardinia, Sept. 2009.
25. Elected to the grade of Senior member of IEEE in 2007
26. Member of the Calabria Regional Council of Italian Engineering Society AEIT
27. Since 2006 member of the *ISI (Integrated Satellite Initiative) Technology Platform* and of the *E-Mobility Technology Platform* for the VII Frame Program of European Commission
28. Guest editor (with Apostolis Salkintzis, Motorola, Antonella Molinaro, Università della Calabria, Ki-Dong Lee, ETRI Korea) for the special issue *Synergy of Space and Terrestrial Communications in Next-Generation Hybrid Wireless Systems* in IEEE Wireless Communications Magazine. (call for papers Sept. 2004, pub. Aug. 2005)
29. Guest editor (with Klara Nahrstedt, University of Illinois at Urbana-Champaign and Antonella Molinaro, Università della Calabria) for the special issue *QoS in Next-generation Wireless Multimedia Communications Systems* in IEEE Wireless Communications Magazine. (call for papers Jun. 2002, pub. Jun. 2003)
30. Invited Speaker at a Plenary Session of IEEE PIMRC 2005, Berlin
31. Invited papers published in the Proceedings of the International Conference IEEE Mobimedia 2006, in the Proceedings of the International Conference Auswireless 2006, in the Proceedings of the International Symposium on 3rd Generation Infrastructure and Services (3GIS), Athens, July 2001, and in the International ASSI Satellite Communications Letter (edition No.4), June 2002
32. Member of the Technical Program Committees of the following Conferences: "IEEE Global Conference on Communications GLOBECOM'2013, GLOBECOM'2012, GLOBECOM'2011, GLOBECOM'2010, GLOBECOM'2009, GLOBECOM'2008, GLOBECOM'2006, GLOBECOM'2005, "IEEE Symposium on Computers & Informatics" ISCI 2012, "IEEE Workshop on the Internet of Things: Smart Objects and Services" IoT-SoS 2012, IEEE PIMRC 2011, FITCE 2011, "IEEE International Symposium on Communications & Information Technologies" ISCIT 2011, "IEEE International Conference on Communications" ICC'2010, ICC'2009, ICC'2008, ICC'2007, ICC'2006, ICC'2005, ICC'2004, "IEEE Vehicular Technology Conference VTC'2010 Spring, VTC'2003 Fall - Symposium on Broadband Mobile Satellite Networks" WirelessCom 2005, AICT 2006, - Wireless Networking Symposium", ICT 2002, ICT 2001
33. *Publicity Chair* and Member of the Technical Program Committee of the International Conference "Wireless Personal Multimedia Communications" WPMC'04.
34. Recipient of the *IEICE/IEEE Outstanding Paper Award* for the paper published in the proceedings of the International Conference IEEE ATM Workshop, 1999
35. Recipient of the *IEEE Student Paper Award* for the paper published in the proceedings of the Conference IEEE International Conference on Universal Personal Communications, ICUPC'95, Tokio 1995
36. Recipient of an annual student grant from Telesoft S.p.A. for attending the course of Master in "Information Technologies" at the research center CEFRIEL/Politecnico di Milano in 1991-92
37. Continuous review activity of papers for international journal, Magazines, Conferences of IEEE, ACM, and IEE: IEEE Journal on Selected Areas in Communications, IEEE Transactions on Vehicular Technology, IEEE Personal Communications Magazine, IEEE Communications Magazine, ACM Computer Communications, Wireless Personal Communications, IEEE Transactions on Wireless Communications, etc.. (just a sample list)

6. Main project evaluation activities

1. Evaluator for "Sardegna Ricerche" of research projects within the call "Aiuti per progetti di ricerca e sviluppo" POR Sardegna FESR 2014-2020 Asse 1- Azione 1.1.3", 2017

2. Evaluator for “Innovapuglia” of projects within the call “"INNONETWORK Sostegno alle attività di R&S per lo sviluppo di nuove tecnologie sostenibili, di nuovi prodotti e servizi",” 2017
3. Evaluator for Provincia Autonoma di Trento – Industrial Research Projects, 2017
4. Evaluator for “Sardegna Ricerche” for the call “Progetto Strategico Sulcis - Progetti di ricerca pubblico-privati”, 2016
5. Reviewer for Lithuanian State Education Development Agency, Activity 1.1.1.2 “Post-doctoral Research Aid” of the Specific Aid Objective 1.1.1, call 2017
6. Reviewer for ERANET-LAC 2nd Transnational Joint Call for Research and Innovation Projects - topic "Smarter, inclusive and sustainable cities", call 2016
7. Reviewer of the U.S. National Science Fundation (NSF) research proposals within the Program “SCIENCE, TECH & SOCIETY”, call 2016
8. Member of the Expert Panel for *ERA-NET Cofund Smart Cities and Communities (ENSCC)*, by the Joint Programming Initiative (JPI) Urban Europe and the Smart Cities Member States Initiative (SC MSI) year 2015
9. External review for Call for Proposals: 2014 - F.R.S.-FNRS / NRF (South Africa), November 2014
10. External review for the *Call for Proposals Indo-Dutch Joint Research Programme for ICT* published by the Netherlands Organisation for Scientific Research (NWO) and the Department of Electronics and Information Technology (DeitY), India's Ministry of Communications and Information Technology, November 2014
11. Research Proposal External reviewer for the Hong Kong Polytechnic University – Dept. of Industrial and Systems Engineering, October 2014
12. Evaluator for the Italian Ministry of University of the *Program for Young Researchers “Rita Levi Montalcini”*, year 2013
13. In 2012 included in the database of Experts (Albo degli Esperti MIUR) for the evaluation of industrial research projects (Ricerca Industriale - D.Lgs. 297/1999).
14. 2012- Project Evaluator for the Agence Nationale de la Recherche-ANR, France.
Most recent evaluation activities:
- *Call "Blanc International II - SIMI 2 - Science informatique et applications 2012 "* of the ANR
15. Project Evaluator for the “Fund for Scientific Research - FNRS”, Brussels.
Most recent evaluation activities:
- *Call "Credits and Projects 2015" of the Fund for Scientific Research - FNRS.*
- *Call "Grants and Fellowships 2014 of the Fund for Scientific Research – FNRS"*
- *Call "Grants and Fellowships 2013 of the Fund for Scientific Research - FNRS"*
- *Call "Credits and Projects 2012" of the Fund for Scientific Research - FNRS.*
- *Call "Grants and Fellowships 2011" of the Fund for Scientific Research - FNRS - F.R.F.C. (Fonds de la RechercheFondamentale Collective) projects*
- *Call "Grants and Projects 2010" of the Fund for Scientific Research - FNRS - F.R.F.C. (Fonds de la RechercheFondamentale Collective) projects*
16. Project Evaluator for VI and VII Frame Program of European Commission.
Most recent evaluation activities:
- *FP7-2007-ICT-1 Call Strategic Objective 1.1 “The Network of the Future”;*
- *FP6-2004-IST-4 Call Strategic Objective 2.4.5 “Mobile and Wireless Systems beyond 3G”*
17. Evaluator for the Italian Ministry of University of *Projects of National Relevance “PRIN 2008”*, Year 2009
18. Evaluator for the Italian Ministry of University of the *Projects “Rientro dei cervelli”*, Year 2008
19. Evaluator for the Italian Ministry of University of *Internationalisation Projects*, Year 2002 and Year 2005

20. Included in the database of Experts for evaluation of "European Commission e-TEN programme"
21. Included in the database of Experts for evaluation of European Commission Horizon2020 Program

7. Research Activities (just the main projects)

Responsibility of the research activity in grants from private companies:

1. (2017) "Social Internet of Things and Future-Oriented Functional Component Design for Intrinsic Networking Capability", Agreement No: HF2017010002. Funding Company: Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P. R. China

Participation with scientific responsibility of the research unit at the University of Reggio Calabria:

2. EC Project - Horizon 2020 - Call: H2020-ICT-2014-1, In-Network Programmability for next-generation personal cloUd service support (INPUT)
3. Regional Government of Calabria – Industrial Research and Experimental Development projects addressed to Companies aggregated to Innovation Centres – Innovation Centre of Logistic and Transportation Sysstems – Project "SMARTEL"
4. Italian Ministry of Research MIUR - grant "P.O.N. Ricerca e Competitività 2007-2013- Title III", *DOMUS - Technological District for the Information and Communication Technologies for the development of intelligent and sustainable environments* (Distretto delle tecnologie informatiche e di comunicazione per lo sviluppo di ambienti intelligenti e sostenibili)
5. Italian Ministry of Research MIUR - grant "P.O.N. Ricerca e Competitività 2007-2013", *MC3-Care - Mobile Continuos Connected Comprehensive Care*
6. Italian Ministry of Research MIUR - grant "P.O.N. Ricerca e Competitività 2007-2013", *TETRis – Innovative Open Source Services over TETRA*
7. Italian Ministry of Research MIUR - grant "P.O.N. Ricerca e Competitività 2007-2013", *FINGERIMBALL- Anti-counterfeiting technologies and materials, and nanotechnology applications for authentication and protection of agri-food excellence*
8. Regional Government of Calabria - Investment Contract for Industry, Trade and Services granted to the ICT-SUD Consortium – Project "B- Sistema di controllo accessi innovativo basato sull'utilizzo integrato di tecnologie a radiofrequenza (RFID) e tecniche biometriche" (Innovative access control system based on the integrated use of RFID technologies and biometrics). Duration: June 2011- Novembre 2012
9. Italian Ministry of Research PRIN 2007 grant: *Satellite-Assisted Localization and Communication systems for Emergency services (SALICE)*
10. Italian Ministry of Research - Italian Ministry of Economy - Calabria Regional Government grant : *INLOCO (Innovations in Coordinated Logistics)*
11. Italian Ministry of Research - Italian Ministry of Economy - Calabria Regional Government grant : *PROMIS (Logistic PROcess Management and Intelligence System)*
12. Italian Ministry of Research - Italian Ministry of Economy - Calabria Regional Government grant : *LOGICA (ICT Technologies for Logistics) - Telecommunications Section*
13. Italian Ministry of Research, Programma Operativo Nazionale (PON) 2000-2006 (Measure II.3- Center of Technological Competence) grant: *Center of Tecnological Competence on ICT (CC ICT-SUD)*
14. P.O.R 2000-2006 (Measure 3.16) Calabria Regional Government gran: *ICT-Lab (Regional Laboratory on ICT)*
15. P.O.N. 2000-2006 (Measure II.2) Italian Ministry of Research grant: *REBUS - A Broadband Network for Mediterranea University Campus*
16. Italian Space Agency 2006 grant: *WAVE II - W-BAND ANALYSIS AND VERIFICATION – Phase II*
17. Italian Ministry of Research FAR 2004 grant : *"Platform of Interoperability for Logistic and Transportation Systems- PILOT"*
18. Italian Space Agency 2004 grant: *WAVE I - W-BAND ANALYSIS AND VERIFICATION*

19. CARICAL Foundation grant: *Integration of DVB-RCS (Digital Video Broadcasting-Return Channel via Satellite) Satellite Segment into Next-generation Heterogeneous Terrestrial Platforms*

Participation to the research unit at the University of Reggio Calabria:

20. Italian Ministry of Research - Calabria Regional Government grant : PON03PE_00050_1 "Intelligent platform for monitoring and managing in-home safety of people and infrastructures (Piattaforma intelligente per il monitoraggio e la gestione della sicurezza in-home di persone e strutture)
21. Italian Ministry of Research - Calabria Regional Government grant : PON03PE_00050_2 "Home automation systems for cooperative energy brokerage services (Sistemi domotici per il servizio di brokeraggio energetico cooperativo)"
22. Research Projects in Human, Economics and Social Sciences (D.D. n. 791 – 01.02) - Calabria Regional Government, Italy, *TECNE - Interdisciplinary methods for the identification, development, and dissemination of artistic and cultural heritage*.
23. Italian Ministry of Research - Italian Ministry of Economy - Calabria Regional Government grant : AUTOMA (AUTObile Logistic Management)
24. Italian Ministry of Research PRIN 2005 grant: *Situation and location aware design solutions over heterogeneous wireless networks (ICONA)*
25. Italian Ministry of Research FIRB grant : *Virtual Immersive COMmunications (VICOM)*
26. Italian Ministry of Research PRIN grant: *Integration of Satellite and Terrestrial Heterogeneous Systems (SHINES)*
27. Italian Ministry of Research PRIN grant: *Variable Bit-rate Mobile Communications Systems for Multimedia Applications*
28. European Space Agency grant: *Ka-Band GEO System Technology and Demonstrator, Phase I and Phase II*

8. Teaching activities:

1. **Academic Year 2016-2017, 2017-18**
"Internet of Things" (3 ECTS) within the second-level degree course in Informatics and Telecommunication Engineering and Technology Engineering and "Fondamenti di Telecomunicazioni - Unit: Comunicazioni Digitali" (6 ECTS) and "Reti di Telecomunicazioni" (6 ECTS) within the first-level degree course in Information Technology Engineering
2. **Academic Year 2015-2016, 2014-2015, 2013-2014**
"Mobile Radio Systems" (3 ECTS) within the second-level degree course in Informatics and Telecommunication Engineering and Technology Engineering and "Fondamenti di Telecomunicazioni - Unit: Comunicazioni Digitali" (6 ECTS) and "Reti di Telecomunicazioni" (6 ECTS) within the first-level degree course in Information Technology Engineering
3. **Academic Year 2012-13, 2011-12, 2010-11, 2009-10**
"Fondamenti di Telecomunicazioni - Unit: Comunicazioni Digitali" (7 ECTS) and "Reti di Telecomunicazioni" (6 ECTS) within the first-level degree course in Information Technology Engineering
4. **From May 2009 to May 2010**
Scientific Responsible of the research program funded by Italian Ministry of Research and Education "Scholarships for Young Indian Researchers – Year 2008 (and responsible for the research activity of Dr. Deepak Nair).
5. **Academic Year 2008-09, 2007-08, 2006-07, 2005-06, 2004-05, 2003-04, and 2002-03**
"Digital Communications Systems II" (5 ECTS) and "Telecommunications Networks" (5 ECTS) within the first-level degree course in Telecommunications Engineering, "Mobile Radio Systems" (5 ECTS) within the second-level degree course in Telecommunications Engineering.
6. **Academic Year 2003-04**
"Telemedicine" at the second-level University Master in "Innovation in Biomedical Engineering"

7. **Academic Year 2003-04**
Member of the Technical-Scientific Committee and of the Board of Professors of the II Level University Master in "Innovations in Biomedical Engineering"
8. **From Academic Year 2002-03 to date**
Member of the Board of Professors of the Ph.D Course in "Computer, Biomedical, and Telecommunications Engineering".
9. **Academic Year 1999-00 and Academic Year 2001-02**
Member of the Board of Professors of the Ph.D Course in "Electronic Engineering"
10. **Academic Year 2001-02**
Professor at the Technical University of Kosice (Slovakia) of the course "Quality of Service in Multimedia Wireless Systems", within a SOCRATES Teaching Staff Mobility action
11. **Academic Year 2001-02, 2000-01 and 1999-00**
"Digital Communications Systems I" (5 ECTS) , "Digital Communications Systems II" (5 ECTS) and "Telecommunications Networks" (5 ECTS) within the first-level degree course in Telecommunications Engineering.
12. **Academic Year 1998-99, 1997-98 and 1996-97**
"Digital Communications Systems" (10 ECTS) , within the degree course in Electronic Engineering.

9. Language Skills

Mother tongue:

Italian

Other Languages:

	Understanding				Speaking				Writing	
	Listening		Reading		Spoken interaction		Spoken production			
English	C1	Proficient user	C2	Proficient user	C1	Proficient user	C1	Proficient user	C2	Proficient user
German	A1	Basic user	A2	Basic user	A1	Basic user	A1	Basic user	A1	Basic user

(*) [Common European Framework of Reference for Languages](#)

Annex 1. Main scientific publications and patents

Patent

P_1. "METHOD AND SYSTEM FOR USE OF RFID TAGS AS A COMMUNICATION CHANNEL IN AN RFID AREA NETWORK (RAN)", Antonio Iera (IT) and Carlo Spinella Silverio (IT), 2013/8/8, patent n° WO/2013/114415

Book

BB_1 Daniel Giusto, Antonio Iera, Giacomo Morabito, Luigi Atzori, "The Internet of Things", Springer, ISBN-10 / ASIN: 1441916733, 2010

Book Chapters

B_1 "Cognitive Management Strategies for Dynamic Spectrum Access" in "Handbook of Cognitive Radio", edited by Wei Zhang, 2017, editor Springer Singapore, ISBN: 978-981-10-1389-8 (Print) 978-981-10-1389-8 (Online)

B_2 "Game Theoretic Approaches for Wireless Cooperative Content-Sharing", pages 399-42, in "Game Theory Framework Applied to Wireless Communication Networks" edited by Chungang Yang and Jiandong Li, 2015, Editor IGI Global, DOI: 10.4018/978-1-4666-8642-7, ISBN13: 9781466686427

B_3 "QoS and Fairness in WiMAX Networks", in "WiMAX Networks Planning and Optimization", edited by Yan Zhang, Auerbach Publications, CRC Press, ISBN: 978-1-4200666-2-3, 2009

B_4 "Handover Handling Issues in DVB-H Systems", in "4G Mobile & Wireless Communications Technologies", edited by Sofoklis Kyriazakos, Ioannis Soldatos, George Karetos, River Publishers, ISBN: 8792329020, 2008

B_5 "Symbian Based Test-bed Implementation of Wireless Cooperative Scenarios", in "Mobile Telephones: Networks, Applications, and Performance", editors Alvin C. Harper and Raymond V. Buress, Nova Science Publishers, 2008, ISBN: 978-1-60456-436-5

B_6 "Economic and Adaptive Admission Control of Non-Stationary Traffic in Wireless Multimedia Networks" in "Adaptation Techniques in Wireless Multimedia Networks", edited by Wei Li and Yang Xiao, Nova Science Publishers, Hardbound, 2007

B_7 "3G and WLAN interworking: perspective and open issues in the view of 4G platforms" in "Design and Analysis of Wireless Networks", edited by Yi Pan and Yang Xiao, Nova Science Publishers, Hardbound, 2005

B_8 "Internet access over satellites", in "Wireless Internet: Technologies and Applications", edited by Apostolis Salkintzis, Editor CRC Press 2004

B_9 "QoS Metrics for Performance Assessment in Integrated Terrestrial Satellite Systems" in "Quality and Reliability of Large Scale Telecommunications Systems", edited by Peter Stavroulakis, Ed. John Wiley & Sons, 2003, ISBN 0-470-84770-0, pp. 142-167.

Guest Editor

G_1 Special Issue "Smart Things, Big Data Technology and Ubiquitous Computing Solutions for the Future Internet of Things" in the Journal of Wireless Mobile Networks, Ubiquitous Computing, and Dependable Applications (JoWUA), Vol. 6, No. 1, March 2015

G_2 Special issue "Internet of Things: the Next Big Thing in Communications?" in IEEE Wireless Communications Magazine, December 2010

G_3 Special issue Synergy of Space and Terrestrial Communications in Next-Generation Hybrid Wireless Systems in IEEE Wireless Communications Magazine, August 2005

G_4. Special issue QoS in Next-generation Wireless Multimedia Communications Systems in IEEE Wireless Communications Magazine, June 2003.

Tutorials

Corso online IEEE

T_1. Tutorial "The Internet of Things moves into the Cloud" given at the IEEE International Conference on Cloud Engineering (IC2E) 2016, April 4-8, 2016, Berlin, Germany

T_2. Tutorial "Defining and analysing the Internet of Things in the age of Social Networks, Clouds, and Future Internet" given at the 13th Annual IEEE Consumer Communications & Networking Conference, 9th January 2016, Las Vegas, USA

T_3. Tutorial "Understanding the IoT evolution to master the upcoming IoT revolution" given at the European Wireless Conference, Budapest, 20th may 2015

T_4. Tutorial "The Social Internet of Things" given at the IEEE International Conference on Cloud Engineering, IC2E 2015 Conference, Tempe, AZ, US, 9th march 2015

- T_5. Invited Lecturer (lecture title: Evolution of the Internet of Things in the age of Social Networks) at the IEEE Signal Processing Society Summer School on Internet of Things and Machine-to-Machine Systems, Taipei, Taiwan, August 26th 2014
- T_6. Tutorial "The Convergence of Social and Sensor Networks in the Internet of Things: From Theory to Practice" given at the IEEE WCNC 2014 Conference, Istanbul, 6th april 2014
- T_7. Tutorial "The Convergence of Social Networks and the Internet of Things: Opportunities Technologies and Challenges" given at the IEEE World Forum on IoT 2014, Seoul, 6th march 2014
- T_8. Tutorial "When 'Social Networks' meet the 'Internet of Things':new communication paradigms for the Future Internet of trillions of objects" given at the 9th IWCMC 2013 Conference, Cagliari, 1st July 2013

International Journals and Magazines:

- R1. Cicirelli F., Guerrieri A., Spezzano G., Vinci A., Briante O., Iera A., Ruggeri G. (2018), Edge Computing and Social Internet of Things for large-scale smart environments development, IEEE Internet of Things Journal, **accepted for publication**.
- R2. Farris I., Orsino A., Militano L., Iera A., Araniti G. (2018). Federated IoT services leveraging 5G technologies at the edge, *Ad Hoc Networks*, 68, 58-69.
- R3. Militano L., Orsino A., Araniti G., Iera A. (2017), NB-IoT for D2D-Enhanced Content Uploading with Social Trustworthiness in 5G Systems. *Future Internet*, 9(3), 31.
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