

CURRICULUM OF MICHELE LUGLIO

MICHELE LUGLIO was born in 1964.

EDUCATION

Diploma di maturità scientifica in 1982.

Laurea in Electronics Engineering at university of Rome "Tor Vergata" in 1990 with a thesis on the Italian Public Switched Telephone Network.

Ph.D. in Telecommunications and Electronics in 1994, with a thesis on frequency diversity for satellite systems using Ka band.

TITLES

The laurea thesis was awarded by Consorzio Roma Ricerche.

During 1992 and 1993 he has had a collaboration with Telespazio on "Comparative cost analysis for satellite telecommunication systems".

He collaborated with Telecom Italia on Teleports and on satellite configuration study for east Europe.

He received the Young Scientist Award at the International Symposium on Signals, Systems and Electronics, ISSSE '95, San Francisco (USA), October 25th to 27th.

He received the Telespazio Innovation Award in 2009.

POSITION HELD

Visiting Staff Engineering at Microwave Technology and Systems Division of Comsat Laboratories (Clarksburg, Maryland, USA), 1992.

From 1995 to 2004 research assistant at Department of Electronic Engineering at University of Rome "Tor Vergata".

Visiting Professor of Satellite Networks (UCLA, Los Angeles, USA), 2001.

Visiting Professor of Satellite Networks (UCLA, Los Angeles, USA), 2002.

From 2004 he is Associate Professor at University of Rome "Tor Vergata".

He is associated to the Italian Space Agency.

TECHNICAL AND SCIENTIFIC ACTIVITY

During 1991 he has had collaboration with Alenia Spazio.

From August to December 1992 he worked, as visiting Staff Engineering, at Microwave Technology and Systems Division of Comsat Laboratories (Clarksburg, Maryland, USA).

He works on designing satellite systems for multimedia services both mobile and fixed, in of projects funded by EC, ESA and ASI. In this frame studies concerning new systems and services, network analysis and dimensioning, protocol optimization have particular relevance.

He was editor of a special issue of IEEE Multimedia Magazine on "Satellite Systems for Mobile Multimedia Services" and co-editor of a special issue of China Communications.

He has been nominated evaluator of research proposal in the frame of IST program and H2020 program funded by European Commission.

He was member of the Technical Programme Committee of the "International Workshop on Satellite and Space Communications" edition 2005 and 2006 (IWSSC 2005 and IWSSC 2006), of the "1st International Workshop on High Altitude Platform Systems" (WHAPS 2005), of the Vehicular Technology Conference Spring 2007, 10th International Symposium on Spread Spectrum Techniques and Applications 2008, 4th Advanced Satellite Mobile Systems Conference 2008, International Conference on Health Informatics 2012, IEEE International Conference on Communication, Networks and Satellite (COMNETSAT 2012), 12 – 14, July 2012, Bali Indonesia, Science and Information Conference 2013, London October 7-9, Globecom 2014 - Symposium on Selected areas in Communications: GC14 SAC Satellite & Space Communication, Austin, Texas, 9-12 Dec 2014, International Workshop in Advances in Satellite Communications and Networking, SatComNet'14, 24-27 September 2014, Dehli, India, ICC'15; 2014 IEEE International Conference on Aerospace Electronics and Remote Sensing Technology; 4th International conference on Consumer Electronics, Communications and Networks (CECNET2014), Globecom 2016, VTC 2016 (Spring and Fall), SAI Computing Conference 2016, FTC 2016, CIISE 2016, SAI Computing Conference 2017, VTC2017 Fall, Future of Information and Communication Conference (FICC) 2018, ISAECT 2018.

He was the opening keynote speaker at AICT 2016 (Baku - Arzerbaijan) and at ISAECT2018 (Rabat – Morocco).

He was general co-chair of IEEE ISNCC 2018 and of the Symposium on Advanced Electrical and Communication Technologies 2019 (ISAECT 2019).

He was Technical Program Co-Chair of IEEE ISNCC 2019 and track chair of "Satellites IoT and M2M Networks" at the Intern. Conference on Smart Applications, Networking and Communications (SmartNets 2018 and SmartNets 2019).

He is track chair Global 2020 Congress on Networking and Communications (GC-NetCom 2020) and IEEE ISNCC 2020.

He is general co-chair of ISAECT 2020.

He is reviewer of COMNET (Elsevier).

He is a member of the Editorial board of IAENG Engineering Letters.

He is member of the Editorial board of China Communications.

He was guest editor of the Journal of Sensor and Actuator Networks for the special issue on "Advanced Technologies for Smart Cities".

He was Italian national delegate at COST 297 "High Altitude Platforms for Communications and Other Services".

He is member of the platform NetworkWorld 2020 as representative of University of Rome Tor Vergata.

TEACHING ACTIVITY

a) Support

From 1995 to 1998 he assisted in teaching Signal Theory, Digital Signal Processing and Elements of Telecommunications classes at university of Rome "Tor Vergata".

b) taught classes

From 1998 to 2000 he taught Signal Theory class at university of Rome Tor Vergata.

In 2001 and in 2002, as visiting professor, he taught Satellite Networks class at the Department of Computer Science of University of California Los Angeles (UCLA).

In 2002 he taught Digital Signal Processing.

From 2000 to 2011 he taught Satellite Telecommunications and Signals & Transmissions at university of Rome Tor Vergata.

From 2011 he teaches "Satellite Telecommunications" and "Telecommunications Fundamentals" at university of Rome Tor Vergata.

c) other activities

He taught several courses for professional training in the field of telecommunications.

He was tutor or co tutor of several theses mainly concerning satellite communications.

ADMINISTRATIVE EXPERIENCE AND COMMITTALS

From 1983 to 1991 he was member of the administrative board of University of Rome "Tor Vergata".

From November 1996 to May 1997 he was member of the administrative board of Azienda per il Diritto agli Studi Universitari (ADISU) of University of Rome "Tor Vergata".

He was member of one of the technical committees of the Italian Civil Protection (DPCM n. rep. 1364 of 17/5/1996).

From May 1999 to October 2001 he was member of Academic Senate of University of Rome "Tor Vergata".

He was member of evaluation committees for researcher recruitment at University La Sapienza of Rome, at University of Salerno and University of Ferrara.

He is project evaluator for Ministry of University and Research, Ministry of Economic development, Puglia Region, Piemonte Region, Marche Region.

He was member of the Scientific Group of Aerospace Support (GSSA), of the Committee for Technological Innovation of the Italian Parliament (COPIT).

He was the Italian expert delegate and co-chair of the advisory committee 5JAC of the European Space Agency.

He is president of NITEL consortium.