

Igor Bisio Ph. D.

Full Professor

EDUCATION AND TRAINING

2003-2006

PhD in Information and Communication Sciences and Technologies.

PhD Thesis: Resource Control Schemes in Multiservice Space Networks.

University of Genoa

1997-2002

Five-year degree (single cycle) in Telecommunications Engineering.

Thesis: Resource Allocation with Elastic Traffic UDP and TCP over Satellite Channels.

Thesis Reference Course: Telecommunications Networks.

University of Genoa

1992-1997

Technical High School Diploma and qualification of Industrial Technician

Specialization in Electronics and Telecommunications

State Industrial Technical Institute "Giulio Ciampini" Novi Ligure (AL)

PROFESSIONAL HISTORY

1 August 2018 – 31 October 2023

Associate Professor

Appointed by D.R. n. 3642 of 31 July 2018, S.S.D. ING-INF/03 Telecommunications.

DITEN – Department of Naval, Electrical, Electronic and Telecommunications Engineering

University of Genoa

1 November 2010 – 31 July 2018

Assistant Professor

Appointed by Rector's Decree no. 998 of 27 October 2010, confirmed by Rector's Decree no. 564 of 9 May 2014, S.S.D. ING-INF/03 Telecommunications.

DIST – Department of Computer Science, Systems and Telematics (until 31 December 2011)

University of Genoa

DITEN – Department of Naval, Electrical, Electronic and Telecommunications Engineering (from

1 January 2012 to date)

University of Genoa

1 January 2006 – 31 October 2010

Research Fellow

DIST – Department of Computer Science, Systems and Telematics (until 31 December 2011)

University of Genoa

ACADEMIC APPOINTMENTS

November 2018 – October 2021

Deputy Director for Research and Technology Transfer (Spin-Off and Third Mission)

Coordinator of the Research and Technology Transfer Commission (Spin-Off and Third Mission).

DITEN – Department of Naval, Electrical, Electronic and Telecommunications Engineering.

Appointment by resolution of the Department Council of 22 November 2018.

Director: Prof. M. Pastorino

University of Genova

[November 2018 – July 2024](#)

Responsible for the DITEN Department of the IRIS Research Product Catalogue.

DITEN – Department of Naval, Electrical, Electronic and Telecommunications Engineering.

University of Genova

[November 2018 – July 2024](#)

Member of the Quality Assurance Commission (QA) of the DITEN Department.

DITEN – Department of Naval, Electrical, Electronic and Telecommunications Engineering.

University of Genova

[November 2018 – December 2020](#)

Member of the University Research and Technology Transfer Committee

Appointment with Rector's Decree no. 5919 of 30 November 2018. Extended by Rector's Decree no. 4627 of 13 November 2020.

University of Genova

[November 2021 – July 2024](#)

Deputy Director for Research and Technology Transfer**Coordinator of the Research and Technology Transfer Commission**

DITEN – Department of Naval, Electrical, Electronic and Telecommunications Engineering.

Appointment by resolution of the Department Council of 3 November 2021.

Director: Prof. M. Viviani.

University of Genova

[January 2021 – December 2023](#)

Member of the University Research Committee

Appointment with Rector's Decree no. 114 of 14 January 2021.

University of Genova

[January 2024 – July 2024](#)

Member of the University Research Committee

Appointment with Rector's Decree no. 242 of 18 January 2024.

University of Genova

EXPERIENCE

MAIN SEMINARS

[30 September – 2 October 2019](#) 5G NG-RAN Positioning: Functions, Algorithms and Practical Experiences

Tutorial Speaker

IEEE 5G World Forum, Dresden, Germany.

[13 – 19 June 2010](#) Communications and Networking Research Towards the Reliable and Efficient Interplanetary Internet

Keynote Speaker

The Second International Conference on Advances in Satellite and Space Communications, Athens/Glyfada, Greece.

[21 – 25 July 2009](#) Challenges and Hopes in Space Navigation and Communication: From Nano- to Macro-satellites

Expert Panelist

The First International Conference on Advances in Satellite and Space Communications, 21 – 25 July 2009, Colmar, France.

[13 – 19 June 2010](#) Tendencies and Challenges in Space Communications

Expert Panelist and Moderator

The Second International Conference on Advances in Satellite and Space Communications, Athens/Glyfada, Greece.

SCIENTIFIC RESPONSIBILITY FOR RESEARCH PROJECTS ACCEPTED FOR FUNDING ON THE BASIS OF COMPETITIVE CALLS INVOLVING PEER REVIEW

[2020-2021](#) CATVISION

"Critical Asset Threat-detection using VISible and INfrared spectra"

Competence Center START 4.0.

[2020-2022](#) 5GSMARTG

"5G SMART ROADS FOR GENOA", a national project within the Genoa 5G Project Call referred to the EU program 5G Action Plan aimed at financing experimental projects in 5G technology for safe road infrastructures

Ministry of Economic Development (MiSE).

[2020-2022](#) FRACTAL

"A Cognitive Fractal and Secure EDGE based on an unique Open-Safe-Reliable-Low Power Hardware Platform Node", a European project within the Call H2020-ECSEL-2019-2-RI European Commission and the Ministry of Education, University and Research (MIUR).

[2022-2025](#) MOST

"Sustainable Mobility", National Center funded under the PNRR (Nex-Gen EU Programme) - IoT technologies for the localization of vehicles and people.

Italian Government.

Note: the list represents a short sub-set of the research project developed (the most recent) so to avoid a long list. Over years, around 2M€ of research funds have been managed.

TEACHING OR RESEARCH POSITIONS (FELLOWSHIPS) AT FOREIGN UNIVERSITIES AND RESEARCH INSTITUTES

[May 2029](#) Visiting Lecturer

Course held: Context-Awareness over the Internet of Things

Sichuan University - Chengdu - China

[October 2018](#) Visiting Lecturer

Course held: Multimedia App – Context-Awareness over the Internet of Things

High-tech Systems and Infocommunication Modeling Center

Institute of Applied Mathematics and Communications Technology of PFUR

Peoples' Friendship University of Russia (RUDN University) – Moscow - Russia

[31 July – 30 November 2017](#) Senior Researcher

High-tech Systems and Infocommunication Modeling Center
Institute of Applied Mathematics and Communications Technology of PFUR
Peoples' Friendship University of Russia (RUDN University) – Moscow - Russia

1 November 2019 – 20 November 2020 Senior Researcher
High-tech Systems and Infocommunication Modeling Center
Institute of Applied Mathematics and Communications Technology of PFUR
Peoples' Friendship University of Russia (RUDN University) – Moscow – Russia
(activity carried out partially remotely due to COVID restrictions starting from March 2020)

26 October 2020 – 30 November 2020 Lecturer
Course held: Internet of Thing: Components, Communications and Ambient Intelligence
High-tech Systems and Infocommunication Modeling Center
Institute of Applied Mathematics and Communications Technology of PFUR
Peoples' Friendship University of Russia (RUDN University) – Moscow – Russia
(activity carried out entirely remotely due to COVID restrictions in place)

EDITORSHIP OR PARTICIPATION IN EDITORIAL BOARDS OF JOURNALS, PUBLISHING SERIES, ENCYCLOPAEDIAS AND TREATISES

2024-today Associate Editor
IEEE Wireless Communications Letters
IEEE - Institute of Electrical and Electronics Engineers

2013-today Associate Editor
IEEE Internet of Things Journal
IEEE - Institute of Electrical and Electronics Engineers

2015-2022 Associate Editor
IEEE Access Journal
IEEE - Institute of Electrical and Electronics Engineers

2015-2021 Associate Editor
IEEE Network
IEEE - Institute of Electrical and Electronics Engineers

2017-2022 Associate Editor
IEEE Transactions on Vehicular Technologies
IEEE - Institute of Electrical and Electronics Engineers

2019-2022 Associate Editor
IEEE Open Journal of the Communications Society
IEEE - Institute of Electrical and Electronics Engineers

2014-2024 Associate Editor
Digital Communications and Networks
ELSEVIER

2017-2024 Associate Editor
Security and Privacy Journal
WILEY

PRIZES AND ACCOLADES FOR SCIENTIFIC ACTIVITY, INCLUDING MEMBERSHIP OF ACADEMIES

2004-today Senior Member
IEEE - Institute of Electrical and Electronics Engineers

2006 Best Paper Award
IEEE International Workshop on Satellite and Space Communications 2006 (IWSSC 2006)

2006 Best Paper Award
IEEE Global Communications Conference 2006 (GLOBECOM 2006)

2009 Best Paper Award
First International Conference on Advances in Satellite and Space Communications 2009 (SPACOMM 2009)

2010 Best Paper Award
Second International Conference on Advances in Satellite and Space Communications 2010 (SPACOMM 2010)

2012 Best Paper Award
IEEE Global Communications Conference 2012 (IEEE GLOBECOM 2012)

2013 Best Paper Award
Fifth International Conference on Advances in Satellite and Space Communications 2013 (SPACOMM 2013)

2014 Best Paper Award
Sixth International Conference on Advances in Satellite and Space Communications 2014 (SPACOMM 2014)

2014 Best Paper Award
IEEE International Communications Conference 2014 (IEEE ICC 2014)

2016 Best Paper Award
IEEE 5th International Conference on Cloud Networking 2016 (IEEE Cloudnet 2016)

2016 Satellite Communications Distinguished Service Award
In recognition of the large support made to the SSC technical committee as well as the outstanding record of contributions in the context of satellite research
IEEE - Institute of Electrical and Electronics Engineers, ComSoc – Communications Society

PARTICIPATION IN THE CREATION OF NEW BUSINESS ENTITIES (SPIN-OFFS), DEVELOPMENT, USE AND COMMERCIALISATION OF ACADEMIC PATENTS

2008 Patent
I. Bisio et al., "Architecture and Traffic Management Methods of a Network of Surveillance Sensors", joint patent between DIST-University of Genoa and SELEX COMMUNICATIONS S.p.A. Filed at the Turin Chamber of Commerce on 16 May 2008 (TO2008A370).

2009 Patent
I. Bisio et al., "Architecture and Method for Traffic Management of a Monitoring Sensor Network", joint patent between DIST-University of Genoa and SELEX COMMUNICATIONS S.p.A. United States Patent Application Publication, Pub. No. 2009/0258154A1.

2017 Patent

I. Bisio et al., "Speaker Recognition Method and System", joint patent between DITEN-University of Genoa and TIM S.p.A.
No. 102017000044093 of 21/04/2017.

2023 Patent

I. Bisio et al., "Speaker Recognition Method and System", joint patent between DITEN-University of Genoa and TIM S.p.A.
No. US 11.615.800 B2 of 28/03/2023.

2024 Patent

I. Bisio et al., "Speaker Recognition Method and System", joint patent between DITEN-University of Genoa and TIM S.p.A.
No. EP 3 613 040 B1 of 13/03/2024.