

# Curriculum Vitae of Maurizio Bozzi

Nationality: Italian  
Date of Birth: 1st June 1971  
Present Position: Full Professor of Electromagnetic Fields  
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**Maurizio Bozzi** was born in Voghera, Italy, on June 1, 1971.

He received the MSc degree in Electronic Engineering and the PhD in Electronics and Computer Science from the University of Pavia, Pavia, Italy, in 1996 and 2000, respectively.

In 2002 he joined the Department of Electronics (now Department of Electrical, Computer and Biomedical Engineering), University of Pavia, Italy, where he is now a Full Professor of Electromagnetic Fields (with Full Professor habilitation). He currently teaches the course of “Electromagnetic Fields – Guided Wave Propagation”, in the undergraduate course of Electronic and Computer Science Engineering and the course of “Antennas and Propagation” in the graduate course of Electrical Engineering at the School of Engineering of the University of Pavia. Maurizio Bozzi is a Fellow of the IEEE and the 2023 President-Elect of the IEEE Microwave Theory and Technology Society.

## Research activities and positions

He held research positions in various universities and research centers worldwide:

Nov. 2019-now – Full Professor of Electromagnetic Fields, University of Pavia.

Nov. 2014-Nov. 2019 – Associate Professor of Electromagnetic Fields, Univ. Pavia.

Mar. 2002-Nov. 2014 – Assistant Professor of Electromagnetic Fields, Univ. Pavia.

2017-2018 – Visiting Professor at Gdansk University of Technology, Poland.

2015-2017 – Guest Professor at Tianjin University, China.

Nov. 2009 – Invited Professor at the Faculty of Sciences of Tunis, Tunisia.

May 2009 – Visiting Scientist at CTTC, Castelldefels (Barcelona), Spain.

2002-2007 – Invited Professor at the École Polytechnique de Montréal, Canada.

Oct. 2001-Jan. 2002 – Post-doc Fellow at the Universitat de Valencia, Spain.

Nov. 2000-Sept. 2001 – Research Associate at the University of Pavia.

Nov. 1997-Oct. 2000 – Ph.D. Student at the Dept. Electronics, University of Pavia.

Dec. 1996-Sept. 1997 – Guest Researcher at TU Darmstadt, Germany.

## Major research achievements

His main research activities concern the development of numerical methods for the electromagnetic modeling of microwave and millimeter-wave components.

In the last years, his research activity has mainly focused on topics related to substrate integrated waveguides (SIW) and frequency selective surfaces (FSS).

The most significant results in the field of SIW structures are:

- the development of a numerical technique, based on the BI-RME method, for the wideband modeling of SIW components, and for the automatic derivation of equivalent circuit models;
- the implementation of compact and broadband SIW transmission lines, including the ridge SIW, the substrate integrated slab waveguide (SISW), and the substrate integrated coaxial line (SICL);
- the development of several innovative components in SIW technology, including the first active antenna appeared in the literature and a steerable active array with no need of phase shifters.
- the implementation of SIW components and antennas based on non-conventional substrates, including paper, plastic, textile, and 3D printing, with the aim to develop low-cost and eco-friendly wireless systems and sensor networks for the future Internet of Things (IoT).

The major results in the field of FSS are:

- the development of a numerical code for the modeling and design of inductive and capacitive FSS, based on the MoM/BI-RME method, currently adopted by the European Space Agency (ESA) and by some companies for the design of dichroic mirrors;
- the design of the main dichroic mirrors of ESA, installed in ESA ground stations belonging to the DSA (Deep Space Antennas) network;
- the development of FSS operating in the mm-wave frequency range (up to 2 THz), both in all-metal configuration and based on a silicon dielectric substrate.

Moreover, he was also involved in research activities in the fields of reflectarrays, electromagnetic bandgap structures, waveguide components, and microwave printed and integrated circuits. Prof. Bozzi was involved in national and European research projects, and was a consultant for telecommunication companies and for the European Space Agency.

## Teaching activities

Maurizio Bozzi has been teaching several courses at the Faculty of Engineering of the University of Pavia.

More specifically, he taught the following Courses as official assignment:

- Course of “Electromagnetic Fields – Guided Wave Propagation”, Bachelor Degree of “Electronic and Computer Science Engineering” (official assignment) – 2019-now (4 years)
- Course of “Antennas and Propagation”, Master Degree of “Electronics Engineering” (official assignment) – 2011-now (12 years)
- Course of “Computational Electromagnetics”, Master Degree of “Electronics Engineering” (official assignment) – 2005-2018 (14 years)
- Course of “Computational Electromagnetics and Photonics”, PhD of “Electrical, Electronics, and Computer Engineering” (official assignment) – 2008-2009 (1 year)

and he made support teaching (blackboard exercises and seminars) in the following Courses:

- Course of “Electromagnetic Fields”, Bachelor Degree of “Electronics and Telecommunication Engineering” (support teaching) – 2002-2010 (8 years)
- Course of “Microwaves”, Bachelor Degree of “Electronics and Telecommunication Engineering” (support teaching) – 2002-2011 (9 years)
- Course of “Circuit Theory”, Bachelor Degree of “Computer Engineering” (support teaching) – 2003-2005 (2 years).

Moreover, he was the scientific advisor of several PhD and Master Students:

- Advisor of 10+ PhD Students
- Advisor of more than 50+ Master Thesis

## Awards

Maurizio Bozzi was the recipient of the following awards:

- September 2000 - Microwave Engineering Center for Space Applications (MECSA) Award for the best paper presented by a young researcher at the 2000 Italian Conference on Electromagnetics (XIII RiNEm).
- August 2002 - Philips Award for the Best Young Scientist Paper at the XXVII General Assembly of URSI (International Union of Radio Science), held in Maastricht, The Netherlands.
- August 2002 - Young Scientist Award for attending the XXVII General Assembly of URSI (International Union of Radio Science), held in Maastricht, The Netherlands.
- June 2012 - Recipient of the First Prize in the Contest for Innovative Ideas - Confederation of Italian industries (Unione Industriali) for the project "Autonomous and eco-friendly sensor networks".
- Aug. 2014 - 2014 Premium Award for Best Paper in Electronics Letters: R. Moro, S. Agneessens, H. Rogier, and M. Bozzi, "Wearable textile antenna in substrate integrated waveguide technology," Electronics Letters, Volume 48, Issue 16, 2012, pp. 985-987.
- July 2015 – 2015 Premium Award for Best Paper in IET Microwaves, Antennas & Propagation: S. Kim, B. Cook, T. Le, J. Cooper, H. Lee, V. Lakafosis, R. Vyas, R. Moro, M. Bozzi, A. Georgiadis, A. Collado, M.M. Tentzeris, "Inkjet-printed antennas, sensors and circuits on paper substrate," IET Microwaves, Antennas & Propagation, Volume 7, Issue 10, July 2013, p. 858–868.
- December 2015 - Best Paper Award at the 15th Mediterranean Microwave Symposium (MMS2015): C. Tomassoni, L. Silvestri, M. Bozzi, and L. Perregrini, "Novel Substrate Integrated Waveguide Filter Based on Mushroom Resonators," 15th Mediterranean Microwave Symposium (MMS2015), Lecce, Italy.
- **2018 - Fellow of the IEEE** "for contributions to substrate integrated waveguides and integrated periodic structures".
- August 2018 - Best Paper Award (Second Place) at the IEEE MTT-S International Conference on Numerical Electromagnetic and Multiphysics Modeling and Optimization (NEMO 2018): Nicolò Delmonte, Cristiano Tomassoni, Maurizio Bozzi, and Luca Perregrini, "Miniaturization and Quality-Factor in Substrate Integrated Waveguide Cavities," IEEE MTT-S International Conference on Numerical Electromagnetic and Multiphysics Modeling and Optimization (NEMO 2018), Reykjavik, Iceland.

Moreover, with his students he received the following awards:

- April 2010 - Best Student Award at the 4th European Conference on Antennas and Propagation (EuCAP 2010), held at Barcelona, Spain.
- May 2010 - Second Award in the Best Student Paper Competition at the 27th International Review of Progress in Applied Computational Electromagnetics (ACES 2010), held at Tampere, Finland.
- April 2011 - Honorable mention in the Best Student Paper Competition at the 5th European Conference on Antennas and Propagation (EuCAP 2011), held in Rome, Italy.
- January 2016 - Best Student Paper Award at the 2016 IEEE Topical Conference on Wireless Sensors and Sensor Networks (WiSNet2016), held in Austin, TX, USA.
- November 2016 - Second Award in the Best Student Paper Competition at the 16th Mediterranean Microwave Symposium (MMS2016), Abu Dhabi, UAE.
- May 2019 - First prize of the Young Scientists Contest at the European Microwave Conference in Central Europe (EuMCE 2019): Vincenzo Lombardi, Maurizio Bozzi, Luca Perregrini, "Analysis of Dielectric Waveguides With the Variational Meshless Method," European Microwave Conference in Central Europe (EuMCE 2019), Prague, Czech Republic.

## Invited Talks

Maurizio Bozzi was invited to give seminar talks and short courses at several conferences, universities, and research centers, as listed below:

- Dec. 2022 - Invited seminar talk at the Universidad Miguel Hernández de Elche, Elche, Spain.
- Nov. 2022 - Short course at the Gdansk University of Technology, Gdansk, Poland (virtual event).
- Nov. 2022 - Invited talk at the Inauguration of the VIT-AP MTT Student Branch Chapter, India (virtual event).
- July 2022 - Invited talk at the IEEE MTT-S Student Branch Chapter of IIT Kanpur, IEEE MTT-S Uttar Pradesh Section Chapter (virtual event).
- May 2022 - Invited talk at the IEEE AP-S/MTT-S Scotland Chapter (virtual event).
- May 2022 - Short course at the Gdansk University of Technology, Gdansk, Poland.
- May 2022 - Invited talk at the 2nd IEEE MTT-S Distinguished Microwave Instructor (DMI) Workshop, IEEE Region 8 (virtual event).
- Mar. 2022 - Short course at the University of Cagliari, Cagliari, Italy.
- Dec. 2021 - Invited talk at the IEEE MTT-S International Microwave and RF Conference (IMaRC 2021) Chapter Chair Meeting, IIT Kanpur, India (hybrid event).
- Dec. 2021 - Invited plenary-session keynote speech at the 4th Indian Conference on Antennas and Propagation (InCAP 2021), Jaipur, India (virtual event).
- Nov. 2021 - Invited talk at the 1st IEEE MTT-S Distinguished Microwave Instructor (DMI) Workshop, IEEE Region 10 (hybrid event).
- Nov. 2021 - Invited talk at the IEEE MTT-S International Microwave Workshop Series on Advanced Materials and Processes for RF and THz Applications (IMWS-AMP 2021), Chongqing, China (hybrid event).
- Oct. 2021 - Invited talk at the 2021 International Workshop on Microwave and Microsystems, Tianjin, China (virtual event).
- Oct. 2021 - Short course at the Gdansk University of Technology, Gdansk, Poland (virtual event).
- Sept. 2021 - Plenary lecture at the Etopia Summer School (Etopia - European Training network Of PhD researchers on Innovative EMI analysis and power Applications), Milan, Italy.
- Aug. 2021 - Invited talk at the 2021 IEEE International Symposium on Radio-Frequency Integration Technology (RFIT2021), Hualien, Taiwan (virtual event).
- Jul. 2021 - Invited talk at the IEEE MTT-S Women in Microwaves Virtual Colloquium on 'Recent Trends, Techniques and Career Opportunities on Microwave & Millimeter-Wave Technologies, Antennas and Applications', organized by IEEE MTT-S Kerala Chapter (virtual event).
- Jul. 2021 - Invited lecture at the IEEE AP-S Jaipur School on Microwaves, Millimeter Waves and Terahertz Techniques (SMMWTHz 2021), Jaipur (virtual event).
- Jun. 2021 - Short course at the Gdansk University of Technology, Gdansk, Poland.
- May 2021 - Invited talk at the 13th Global Symposium on Millimeter-Waves & Terahertz (GSMM 2021), Nanjing, China (virtual event).
- Dec. 2020 - Invited webinar at the IEEE MTT-S Tunisia Chapter, Tunis, Tunisia (virtual event).
- Nov. 2020 - Invited talk at the 2020 International Workshop on Microwave and Microsystems, Tianjin, China (virtual event).
- Oct. 2020 - Short course at the Gdansk University of Technology, Gdansk, Poland (virtual event).
- Aug. 2020 - Invited webinar at the IEEE Northeast Brazil Section Chapter, Universidade Federal de Campina Grande, Brazil (virtual event)
- Jul. 2020 - Invited talk at the 2020 IEEE MTT-S International Microwave Workshop Series on Advanced Materials and Processes for RF and THz Applications (IMWS-AMP 2020), Suzhou, China (virtual event)
- Jul. 2020 - Invited webinar at the IEEE MTT-S Student Branch Chapter at National Institute of Technology (NITT), Tiruchirappalli, India (virtual event)
- Dec. 2019 - Invited talk at the 2019 IEEE MTT-S International Microwave and RF Conference (IMaRC2019), Mumbai, India
- Nov. 2019 - Short course at the Gdansk University of Technology, Gdansk, Poland.

- Nov 2019 - Invited plenary-session keynote speech at the 19th Mediterranean Microwave Symposium (MMS 2019), Hammamet, Tunisia.
- Oct. 2019 - Invited talk at the International Workshop on Advanced Chip Microsystems, Tianjin, China.
- July 2019 - Invited plenary-session keynote speech at the 2019 IEEE MTT-S International Microwave Workshop Series on Advanced Materials and Processes for RF and THz Applications (IMWS-AMP 2019), Bochum, Germany.
- May 2019 - Invited talk at the Women in Microwave event of the IEEE MTT-S International Conference on Numerical Electromagnetic and Multiphysics Modeling and Optimization (NEMO 2019), Cambridge, MA, USA.
- May 2019 - Invited talk at the IEEE MTT-S International Wireless Symposium (IWS2019), Guangzhou, China.
- May 2019 - Invited talk at the Young Professional event of the IEEE MTT-S International Wireless Symposium (IWS2019), Guangzhou, China.
- May 2019 - Invited talk at the Lingnan Scientific Forum on Microwave and Antenna, Guangzhou, China.
- May 2019 - Invited plenary-session keynote speech at the European Microwave Conference in Central Europe 2019 (EuMCE 2019), Prague, Czech Republic.
- April 2019 - Invited seminar at the Bordeaux Electrical Engineering (BEE) Branch Microwave Theory and Techniques Days, Bordeaux, France.
- Nov. 2018 - Invited plenary-session keynote speech at the IEEE MTT-S International Microwave and RF Conference (IMARC 2018), Kolkata, India.
- Nov. 2018 - Invited talk at the Huawei Workshop on High Frequency Technologies for 5G, Milan, Italy.
- Nov. 2018 - Short course at the Gdansk University of Technology, Gdansk, Poland.
- Oct. 2018 - Invited talk at the International Workshop on Advanced Microwave Integrated Circuits and Systems, Tianjin, China.
- Sept. 2018 - Invited talk at the 3rd European Microwave Doctoral School "Emerging Technologies in Microwave Engineering", EuMW 2018, Madrid, Spain.
- Sept. 2018 - Invited talk at the Workshop "Wearable and Smart Electronics: Design, Materials and Applications", EuMW 2018, Madrid, Spain.
- July 2018 - Invited plenary-session keynote speech at the IEEE MTT-S International Microwave Workshop Series on Advanced Materials and Processes (IMWS-AMP 2018), Ann Arbor, MI, USA.
- May 2018 - Invited seminar at the Gdansk University of Technology, Gdansk, Poland.
- May 2018 - Invited talk at the Workshop "Empowering the Future with RF/Microwaves" at the University of Electronic Science and Technology of China (UESTC), Chengdu, China.
- Mar. 2018 - Short course at the Gdansk University of Technology, Gdansk, Poland.
- Nov. 2017 - Invited seminar at the National University of Singapore, Singapore.
- Nov. 2017 - Invited talk at the Progress In Electromagnetics Research Symposium (PIERS 2017), Singapore, Singapore.
- Nov. 2017 - Short course at the Gdansk University of Technology, Gdansk, Poland.
- Oct. 2017 - Invited talk at the Huawei Antenna Technology Summit, Munich, Germany.
- Sept. 2017 - Invited talk at the XXXII Simposium Nacional de la Union Científica Internacional de Radio, URSI 2017, Cartagena, Spain.
- May 2017 - Tutorial at the 21st IEEE Workshop on Signal and Power Integrity (SPI 2017), Baveno, Italy.
- Dec. 2016 - Invited talk at the Asia Pacific Microwave Conference (AMPC2016), New Delhi, India.
- Nov. 2016 - Short course at the Gdansk University of Technology, Gdansk, Poland.
- Nov. 2016 - Invited talk at the Assemblée Générale d'IEEE MTT-France, Grenoble, France.
- Sept. 2016 - Invited seminar talks at the Department of Physics, Faculty of Sciences of Tunis, Tunis, Tunisia.
- Aug. 2016 - Invited talk at the International Workshop on IoT at the Tianjin University, Tianjin, China.
- July 2016 - Invited seminar at the University of Macau, Macau.

- May 2016 - Invited seminar at the Nanjing University of Science and Technology (NJUST), Nanjing, China.
- May 2016 - Invited seminar at the Nanjing University of Aeronautics and Astronautics (NUAA), Nanjing, China.
- May 2016 - Invited talk at the 21st International Conference on Microwaves, Radar and Wireless Communications (MIKON 2016), Krakow, Poland.
- April 2016 - Invited lecture at the International Spring School on Electromagnetics and emerging technologies for pervasive applications: Internet of Things, Health and Safety, Villa Griffone, Pontecchio Marconi, Bologna, Italy.
- March 2016 - Short course at the Tianjin University, Tianjin, China.
- February 2016 - Invited lecture at the Second International BioSense Workshop, Novi Sad, Serbia.
- December 2015 - Invited talk at the Asia Pacific Microwave Conference (AMPC2015), Nanjing, China.
- November 2015 - Invited seminar talk at the Universidad Miguel Hernández de Elche, Elche, Spain.
- November 2015 - Short course at the Gdansk University of Technology, Gdansk, Poland.
- August 2015 - Invited talk at the Nanjing University of Science and Technology (NUST), Nanjing, China.
- June 2015 - Invited talk at the International Workshop on IoT, Tianjin University, Tianjin, China.
- June 2015 - Invited talk at the Center of Ocean Information Engineering of the Tianjin University, Qingdao, China.
- February 2015 - Invited talk at the BioSense Center, University of Novi Sad, Novi Sad, Serbia.
- November 2014 - Short course at the Gdansk University of Technology, Gdansk, Poland.
- September 2014 - Invited talk at INTELECT 2014 Workshop, Ovronnaz, Switzerland.
- August 2014 - Invited seminar talk at the Chinese University of Hong Kong (CUHK), Hong Kong.
- August 2014 - Invited talk at the 35th Progress In Electromagnetics Research Symposium (PIERS 2014), Guangzhou, China.
- August 2014 - Invited talk at the XXXI General Assembly of the International Union of Radio Science (URSI GA 2014), Beijing, China.
- August 2014 - Plenary keynote presentation at the 15th International Conference on Electronic Packaging Technology (ICEPT 2014), Chengdu, China.
- April 2014 - Invited seminar talk at the University of Cantabria, Santander, Spain.
- March 2014 - Invited seminar talk at the Tianjin University, Tianjin, China.
- January 2014 - Invited talk at the 2014 IEEE Topical Meeting on Wireless Sensors and Sensor Networks (WISNET 2014), Newport Beach, California, USA.
- October 2013 – Guest Lecture at the University of Ghent, Belgium.
- August 2013 - Invited talk at the Progress in Electromagnetics Research Symposium (PIERS2013), Stockholm, Sweden.
- July 2013 - Invited seminar talks at the Department of Physics, Faculty of Sciences of Tunis, Tunis, Tunisia.
- April 2013 - Invited seminar talks at the Universidad Miguel Hernández de Elche, Elche, Spain.
- December 2012 - Invited seminar talk at the National Taiwan University of Science and Technology, Taipei, Taiwan.
- December 2012 - Invited talk at the 2012 Asia-Pacific Microwave Conference (APMC2012), (European Microwave Association Special Session), Kaohsiung, Taiwan.
- September 2012 - Invited talk at the IEEE MTT-S International Microwave Workshop Series on Millimeter Wave Wireless Technology and Applications (IMWS 2012), Nanjing, China.
- August 2012 - Invited plenary-session talk at the International Conference on Mathematical Methods in Electromagnetic Theory (MMET 2012), Kharkiv, Ukraine.
- June 2012 - Invited talk at the workshop on "Towards Development of Smarter Substrate Integrated Waveguide Components and Advanced Fabrication Methodologies", International Microwave Symposium (IMS 2012), Montreal, Quebec, Canada, June 17-22, 2012.
- June 2012 - Invited lecture at the Training School on Energy-aware RF Circuits and Systems Design, Villa Griffone, Pontecchio Marconi, Bologna, Italy.
- April 2012 - Invited seminar talk at the Universidad de Malaga, Malaga, Spain.

- April 2012 - Invited seminar talk at the Universidad Miguel Hernández de Elche, Elche, Spain.
- April 2012 - PhD course on “Substrate Integrated Waveguide (SIW) Technology” at the Universidad Politécnica de Cartagena, Cartagena, Spain.
- March 2012 - Invited plenary-session keynote speech at the International Conference on Information Processing and Wireless Systems (IP-WiS 2012), Sousse, Tunisia.
- March 2012 - Invited seminar talk at the Department of Physics, Faculty of Sciences of Tunis, Tunis, Tunisia.
- January 2012 - Invited lecture at the Winter School on Technology Challenges for the Internet of Things, Aveiro, Portugal.
- June 2011 - Invited lecture at the Summer 2011 Training School on RF/Microwave System Design for Sensor and Localization Applications, Castelldefels, Barcelona, Spain.
- March 2011 - Invited seminar talk at the Universidad Miguel Hernández de Elche, Elche, Spain.
- June 2010 - PhD course on “The BI-RME Method” at the Universidad Politécnica de Cartagena, Cartagena, Spain.
- April 2010 - Invited seminar talk at the Universidad Miguel Hernández de Elche, Elche, Spain.
- November 2009 - Invited seminar talks at the Department of Physics, Faculty of Sciences of Tunis, Tunis, Tunisia.
- May 2009 - Invited seminar talk at the Centre Tecnologic de Telecomunicacions de Catalunya (CTTC), Castelldefels (Barcelona), Spain.
- January 2009 - Invited seminar talk at the Universidad Miguel Hernández de Elche, Elche, Spain.
- January 2009 - Invited seminar talk at the Universidad Politécnica de Cartagena, Cartagena, Spain.
- January 2009 - Invited seminar talks at the Universitat de València, València, Spain.
- September 2007 - Invited plenary-session keynote speech at the International Conference on Telecommunication in Modern Satellite, Cable and Broadcasting Services (TELSIKS 2007), Nis, Serbia.
- August 2007 - Invited talk at the Workshop on Six-port Technologies and Applications, International Symposium on Signals, Systems, and Electronics (ISSSE 2007), Montréal, Québec, Canada.
- July 2007 - Invited talk at the URSI International Symposium on Electromagnetic Theory (EMTS 2007), Ottawa, Canada.
- May 2006 - Invited seminar talk at the Universidad Miguel Hernández de Elche, Elche, Spain.
- August 2005 - Invited talk at the Progress in Electromagnetics Research Symposium (PIERS 2005), Hangzhou, China.
- June 2004 - Invited seminar talk at the École Polytechnique de Montréal, Montréal, Québec, Canada.
- April 2004 - Invited talk at the IX Workshop on Microwave Engineering: Metamaterials and Special Materials for Electromagnetic and TLC Applications, Rome, Italy.
- October 2003 - Invited talk at the Progress in Electromagnetics Research Symposium (PIERS 2003), Honolulu, Hawaii, USA.
- September 2003 - Invited talk at the International Conference on Antenna Theory and Techniques (ICATT03), Sevastopol, Crimea, Ukraine.
- August 2003 - Invited talk at the SPIE Annual Meeting 2003, Infrared Spaceborne Remote Sensing Conference, San Diego, California, USA.
- March 2002 - Invited seminar talk at the Technische Universitaet Darmstadt, Darmstadt, Germany.
- January 2002 - Invited seminar talk at the Department of Applied Physics of the University of Valencia, Valencia, Spain.
- August 2000 - Invited talk at the SPIE Annual Meeting 2000, Terahertz and Gigahertz Electronics and Photonics Conference, San Diego, California, USA.
- January 2000 - Invited seminar talk at the Department of Molecular and Optical Physics of the University of Freiburg, Freiburg, Germany.

## Technical Activities

Maurizio Bozzi had key positions in international scientific societies:

- President-Elect of the IEEE Microwave Theory and Technology Society 2023.
- Elected Member of the Administrative Committee of the IEEE MTT-S for years 2017-2022.
- Treasurer of the IEEE MTT-S (2020-2022).
- Secretary of the IEEE MTT-S (2016).
- Chair of the Budget Committee of the IEEE MTT-S (2023).
- Chair of the Meetings and Symposia Committee of the IEEE MTT-S (2018-2019).
- Vice-Chair of the Strategic Planning Committee of the IEEE MTT-S (2023).
- Vice-Chair for Technical Coordination of the Technical Coordination & Future Directions Committee of the IEEE MTT-S (2020).
- Vice-Chair of the Meetings and Symposia Committee of the IEEE MTT-S (2017).
- Chair of the Technical Committees MTT-4 "Microwave Passive Components and Transmission Line Structures" of the IEEE MTT-S (2022-2023).
- Founding member and Vice-Chair of the Technical Committees MTT-4 "Microwave Passive Components and Transmission Line Structures" of the IEEE MTT-S (2020-2021).
- Member of the Budget Committee of IEEE MTT-S (2020-2022).
- Member of the Technical Coordination & Future Directions Committee of IEEE MTT-S (2019).
- Member of the Strategic Planning Committee of IEEE MTT-S (2018-2019).
- Member of the Publications Committee of IEEE MTT-S (2014-2016, 2019-2022).
- Member of the Education Committee of IEEE MTT-S (responsible for the IMS Graduate Student Challenge) (2012-2019).
- Founding Member and Governing Board Member of the Topical Group MAGEO (Microwaves in Agriculture, Environment and Earth Observation) of the European Microwave Association (EuMA)
- Member of the EuMA General Assembly (GA), representative of Group 3 (Italy, San Marino, Vatican City) - term 2014-2016.

He was the organizer of international conference:

- General Chair of the IEEE MTT-S International Microwave Workshop Series-Advanced Materials and Processes (IMWS-AMP 2017), Pavia, Italy, 20-22 Sept. 2017.
- General Conference Chair of the inaugural edition of the IEEE International Conference on Numerical Electromagnetic Modeling and Optimization for RF, Microwave, and Terahertz Applications (NEMO2014), Pavia, Italy, 14-16 May 2014.
- General Chair of the IEEE MTT-S International Microwave Workshop Series on "Millimeter Wave Integration Technologies", Sitges, Spain, 15-16 Sept. 2011.

Maurizio Bozzi was the Guest Editor of some special issues of international journals:

- Mini-Special Issue on "2020 IEEE MTT-S International Wireless Symposium (IEEE IWS 2020)," IEEE Transactions on Microwave Theory and Techniques (Vol. 70, No. 1, Jan. 2022).



- Mini-Special Issue on "2017 IEEE MTT-S International Microwave Workshop Series-Advanced Materials and Processes (IMWS-AMP 2017)," IEEE Transactions on Microwave Theory and Techniques (Vol. 66, No. 8, Aug. 2018).
- Special Issue on "Substrate Integrated Waveguide Circuits and Systems for MHz-Through-THz Wireless and Photonics Applications," IEEE Transactions on Microwave Theory and Techniques (Vol. 66, No. 6, Jun. 2018).
- Special Section on "Tunable devices for modern communications: materials, integration, modeling, and applications," IEEE Access (2017).
- Special Issue "MTT-S Structure, Activities, Opportunities, and Goals," IEEE Microwave Magazine (Vol. 17, No. 9, Sept. 2016).
- Special Issue "Millimetre Wave System, Circuit and Antenna Integration Challenges for Broadband Everywhere," IET Microwaves, Antennas & Propagation (Vol. 10, No. 14, Oct. 2016).
- Mini-Special Issue "2014 IEEE International Conference on Numerical Electromagnetic Modeling and Optimization for RF, Microwave, and Terahertz Applications (NEMO2014)," IEEE Transactions on Microwave Theory and Techniques (Vol. 63, No. 1, Jan. 2015).
- Special Issue "RF/Microwave Communication Subsystems for Emerging Wireless Technologies," IET Microwaves, Antennas & Propagation (Vol. 5, No. 8, June 2011).

### **Scientific Societies**

He is a Member of the following scientific societies:

- Fellow of the Institute of Electrical and Electronics Engineers (IEEE),
- Member of the European Microwave Association (EuMA),
- Member of the Società Italiana di Elettromagnetismo (SIEM).

### **Scientific paper reviewer**

Maurizio Bozzi served as

- Track Editor of the IEEE Transactions on Microwave Theory and Techniques (2020-2022).
- Associate Editor of the IEEE Microwave and Wireless Components Letters (2013-2018).
- Associate Editor of the IET Microwaves, Antennas and Propagation (2014-2018).
- Associate Editor of the IET Electronics Letters (2015-2018).

Moreover, Prof. Bozzi is a member of the Editorial Board of some scientific journals:

- Member of the Editorial Board of the International Journal of RF and Microwave Computer-Aided Engineering.
- Member of the Editorial Board of the Radioengineering Journal.
- Member of the Editorial Board of the International Journal of Microwave Science and Technology.

He has served as a reviewer for several journals, including:

- IEEE Transactions on Antennas and Propagation,
- IEEE Transactions on Microwave Theory and Techniques,
- IEEE Antennas and Wireless Propagation Letters,
- IEEE Microwave and Wireless Components Letters,
- IET Microwaves, Antennas and Propagation,
- EuMA International Journal of Microwave and Wireless Technologies,
- International Journal for Numerical Methods in Engineering,

- International Journal of RF and Microwave Computer-Aided Engineering,
- ACES Journal,
- Radioengineering Journal,
- International Journal of Microwave Science and Technology.

### Chair and Member of Scientific Committees

Prof. Bozzi has been involved in several technical and scientific committees:

- Co-Chair of the International Steering Committee of the 2023 IEEE MTT-S International Microwave Workshop Series on Advanced Materials and Processes for RF and THz Applications (IMWS-AMP 2023), Chengdu, China, 13-15 November 2023.
- Member of the Technical Program Committee of the 16th IEEE International Conference meeting on Advanced Technologies, Systems and Services in Telecommunications (TELSIKS 2023), Nis, Serbia, 25-27 October 2023.
- Member of the Technical Program Committee of the European Microwave Conference (EuMC 2023), Berlin, Germany, 17-22 September 2023.
- Member of the International Advisory Committee of the 16th UK-Europe-China Workshop on Millimetre Waves and Terahertz Technologies (UCMMT 2023), Guangzhou, China, 31 August-3 September 2023.
- Member of the Technical Program Committee of the IEEE 27th International Conference ELECTRONICS 2023, Palanga, Lithuania, 19-21 June 2023.
- Member of the Technical Paper Review Committee (TPRC) of the International Microwave Symposium (IMS 2023), San Diego, CA, USA, 11-16 June 2023.
- Co-Chair of the International Steering Committee of the IEEE MTT-S International Wireless Symposium (IEEE IWS 2023), Qingdao, China, 14-17 May 2023.
- Member of the Technical Program Committee of the 2023 European Conference on Antennas and Propagation (EUCAP 2023), Florence, Italy, 26-31 March 2023.
- Member of the Advisory Committee of the International Conference on Microwave, Antenna and Communication (MAC2023), Sangam City-Prayagraj, U.P, India, 24-26 March 2023.
- Member of the Technical Program Committee of the The Nineteenth International Conference on Wireless and Mobile Communications (ICWMC 2023), Barcelona, Spain, 13-17 March 2023.
- Member of the Technical Program Committee of the 2023 IEEE Radio and Wireless Week (RWW 2023), Las Vegas, NV, USA, 22-25 Jan. 2023.
- Member of the Technical Program Committee of the 2022 IEEE Microwaves, Antennas, and Propagation Conference (IEEE MAPCON 2022), Bangalore, India, 12-16 Dec. 2022.
- Member of the Technical Program Committee of the Sixteenth International Conference on Mobile Ubiquitous Computing, Systems, Services and Technologies (UBICOMM 2022), Valencia, Spain, 13-17 Nov. 2022.
- **General TPC Chair of the European Microwave Week 2022** (EuMW 2022), Milan, Italy, 25-30 Sept. 2022.
- Publication Co-Chair and IEEE MTT-S Liaison of the 24th International Microwave and Radar Conference (MIKON 2022), Gdansk, Poland, 12-14 Sept. 2022.
- Member of the Technical Program Committee of the 24th International Microwave and Radar Conference (MIKON 2022), Gdansk, Poland, 12-14 Sept. 2022.
- Member of the Technical Paper Review Committee (TPRC) of the International Microwave Symposium (IMS 2022), Denver, Co, USA, 19-24 June 2022.
- Member of the Technical Program Committee of the 26th International Conference ELECTRONICS 2022, Palanga, Lithuania, 13-15 June 2022.
- Member of the Technical Program Committee of the 2022 IEEE MTT-S International Microwave Biomedical Conference (IMBioC 2022), Suzhou, China, 16-18 May 2022.
- Member of the Technical Program Committee of the 2022 IEEE Radio & Wireless Week (RWW 2021), Las Vegas, NV, USA, 16-19 Jan. 2022.

- Member of the Technical Program Committee of the European Microwave Week (EuMW 2021), London, UK, 12-18 Feb. 2022.
- **Chair of Technical Program Committee (TPC)** of the International RF and Microwave Conference 2021 (IMaRC 2021), Kanpur, India, 17-19 Dec. 2021.
- Member of the Technical Program Committee of the International Microwave Filter Workshop (IMFW 2021), Perugia, Italy, 17-19 Nov. 2021.
- **Co-Chair of Technical Program Committee (TPC)** of the 2021 IEEE MTT-S International Microwave Workshop Series on Advanced Materials and Processes for RF and THz Applications (IMWS-AMP 2021), Chongqing, China, 15-17 Nov. 2021.
- Member of the International Technical Committee of the 2021 21st IEEE International Conference on Communication Technology (ICCT 2021), Tianjin, China, 13-16 Oct. 2021.
- Member of the Technical Program Committee of the 9th Annual IEEE International Conference on Wireless for Space and Extreme Environments (WISEE 2021), Cleveland, Ohio, USA, 12-14 Oct. 2021.
- Member of the Technical Program Committee of the 2021 IEEE 3rd Ukrainian Conference on Electrical and Computer Engineering (UKRCON 2021) Virtual Format, 26-28 Aug. 2021.
- Member of the Technical Program Committee of the 2021 IEEE International Symposium on Radio-Frequency Integration Technology (RFIT 2021), Hualien, Taiwan, 25-27 Aug. 2021.
- Member of the Awards Committee of the 2021 IEEE International Symposium on Radio-Frequency Integration Technology (RFIT 2021), Hualien, Taiwan, 25-27 Aug. 2021.
- Member of the Technical Program Committee of the the Seventeenth International Conference on Wireless and Mobile Communications (ICWMC 2021), Nice, France, 18-22 July 2021.
- Member of the Technical Program Committee of the 25th International Conference ELECTRONICS 2021, Palanga, Lithuania, 14-16 June 2021.
- Member of the Technical Paper Review Committee (TPRC) of the International Microwave Symposium (IMS 2021), Atlanta, GA, USA, 6-11 June 2021.
- Member of the Technical Program Committee of the IEEE MTT-S Latin America Microwave Conference (LAMC), Cali, Colombia, 26-28 May 2021.
- Co-Chair of the International Steering Committee of the IEEE MTT-S International Wireless Symposium (IEEE IWS 2021), Nanjing, China, 23-26 May 2021.
- Member of the Technical Program Committee of the 13th Global Symposium on Millimeter-Waves and Terahertz (GSMM 2021), May 23-26, 2021, Nanjing, China
- Member of the Technical Program Committee of the 2021 IEEE Radio & Wireless Week (RWW 2021), San Diego, CA, USA, 17-20 Jan. 2021.
- Member of the Technical Program Committee of the 2020 IEEE MTT-S International Conference on Numerical Electromagnetic and Multiphysics Modeling and Optimization (NEMO 2020), Hangzhou, China, 7-9 Dec. 2020.
- Member of the International Technical Committee of the 2020 20th IEEE International Conference on Communication Technology (ICCT 2020), Nanning, China, 28-31 Oct. 2020.
- Member of the Technical Program Committee of the 8th Annual IEEE International Conference on Wireless for Space and Extreme Environments (WISEE 2020), Vicenza, Italy, 12-14 Oct. 2020.
- Member of the Technical Program Committee of the European Microwave Week (EuMW 2020), Utrecht, The Netherlands, 13-18 Sept. 2020 (moved to 10-15 Jan. 2021).
- Member of the Technical Program Committee of the 2020 IEEE MTT-S International Microwave Conference on 5G Hardware and System Technologies (IEEE IMC-5G 2020), Suzhou, China, 26-28 Aug. 2020.
- **Co-Chair of Technical Program Committee (TPC)** of the 2020 IEEE MTT-S International Microwave Workshop Series on Advanced Materials and Processes for RF and THz Applications (IMWS-AMP 2020), Suzhou, China, 29-31 July 2020.
- Member of the Technical Program Committee of the Sixteenth International Conference on Wireless and Mobile Communications (ICWMC 2020), Athens, Greece, 28 June-2 July 2020,
- Member of the Technical Paper Review Committee (TPRC) of the International Microwave Symposium (IMS 2020), Los Angeles, CA, USA, 21-26 June 2020.

- Member of the Technical Program Committee of the 24th International Conference ELECTRONICS 2020, Palanga, Lithuania, 15-17 June 2020.
- Member of the Technical Program Committee of the 2020 International Microwave Biomedical Conference (IMBioC 2020), Toulouse, France, 25-28 May 2020.
- Member of the Technical Program Committee of the 23rd International Microwave and Radar Conference (MIKON 2020), Vilnius, Lithuania, 18-21 May 2020.
- **Chair of Technical Program Committee (TPC)** of the 2020 IEEE MTT-S International Wireless Symposium (IWS 2020), Shanghai, China, 17-20 May 2020.
- Member of the Technical Program Committee of the 2020 IEEE Radio & Wireless Week (RWW 2020), San Antonio, Texas, USA, 26-29 January 2020.
- Member of the Technical Program Committee of the Third Symposium on Recent Advances in Communication Theory, Information Theory, Antennas and Propagation (CIAP'19), Trivandrum, India, 18-21 December 2019.
- Member of the Technical Program Committee of the 2019 IEEE MTT-S International Microwave and RF Conference (IMaRC 2019), Mumbai, India, 13-15 Dec. 2019.
- Member of the Technical Program Committee of the 2019 Asia-Pacific Microwave Conference (APMC 2019), Marina Bay Sands, Singapore, 10-13 Dec. 2019.
- Member of the Technical Program Committee of the IEEE 19th Mediterranean Microwave Symposium (MMS 2019), Hammamet, Tunisia, 31 October-2 November 2019.
- Member of the Technical Program Committee of the Antenna Design and Measurement International Conference 2019 (ADMInC 2019), Saint Petersburg, Russia, 16-18 October 2019.
- Member of the International Technical Committee of the 2019 19th IEEE International Conference on Communication Technology (ICCT 2019), Xian, China, Oct. 16-19, 2019.
- Member of the Technical Program Committee of the European Microwave Week (EuMW 2019), Paris, France, 29 Sept-4 Oct. 2019.
- Member of the Technical Program Committee of the IEEE MTT-S International Microwave Conference on 5G Hardware and System Technologies (IMC-5G), Atlanta, GA, USA, 15-16 August 2019.
- **Co-Chair of Technical Program Committee (TPC)** of the IEEE MTT-S International Microwave Workshop Series on Advanced Materials and Processes 2019 conference (IMWS-AMP 2019), Bochum, Germany, 16-18 July 2019.
- Member of the Technical Program Committee of the Fifteenth International Conference on Wireless and Mobile Communications (ICWMC 2019), Rome, Italy, 30 June-4 July 2019.
- Member of the Technical Program Committee of the Progress In Electromagnetics Research Symposium (PIERS 2019), Rome, Italy, 17-20 June 2019.
- Member of the Technical Program Committee of the 23rd International Conference ELECTRONICS 2019, Palanga, Lithuania, 17-19 June 2019.
- Member of the Technical Program Committee of the 2019 IEEE MTT-S International Conference on Numerical Electromagnetic and Multiphysics Modeling and Optimization (NEMO 2019), Boston, USA, 29-31 May 2019.
- Co-Chair of the Awards Committee of the IEEE MTT-S International Wireless Symposium (IWS2019), Guangzhou, China, 19-22 May 2019.
- Member of the Technical Program Committee of the European Microwave Conference in Central Europe (EuMCE 2019), Prague, Czech Republic, 13-15 May 2019.
- Chair of the Awards Committee of the International Microwave Biomedical Conference (IMBioC 2019), Nanjing, China, 6-8 May 2019.
- Member of the Technical Program Committee of the International Conference on Microwave Techniques 2019 (COMITE 2019) Pardubice, Czech Republic, 16-18 April 2019.
- Member of the Technical Program Committee of the IEEE 39th International Conference on Electronics and Nanotechnology (ELNANO-2019), Kyiv, Ukraine, 16-18 April 2019.
- Member of the Technical Program Committee of the 2019 IEEE Topical Conference on Wireless Sensors and Sensor Networks (WiSNet2019), Orlando, FL, USA, 20-23 January 2019.
- Member of the Technical Program Committee of the Asia-Pacific Microwave Conference (APMC), Kyoto, Japan, 6-9 November 2018.

- Member of the Technical Program Committee of the IEEE MTT-S Latin America Microwave Conference (LAMC), Arequipa, Peru, 12-14 December 2018.
- Member of the Technical Program Committee of the 6th Annual IEEE International Conference on Wireless for Space and Extreme Environments (WISEE 2018), Huntsville, AL, USA, December 11-13, 2018.
- Member of the International Technical Committee of the 2018 18th IEEE International Conference on Communication Technology (ICCT 2018), Chongqing, China, Oct. 8-11, 2018.
- Member of the Technical Program Committee of the European Microwave Week (EuMW2018), Madrid, Spain, 23-28 September 2018.
- Member of the Technical Program Committee of the Second Symposium on Recent Advances in Communication Theory, Information Theory, Antennas and Propagation (CIAP'18), Bangalore, India, 19-22 September 2018.
- Member of the Technical Program Committee of the IEEE MTT-S International Microwave Workshop Series on 5G Hardware and System Technologies (IMWS-5G 2018), Dublin, Ireland, August 30-31, 2018
- Member of the Technical Program Committee and Track Chair of the 2018 IEEE International Symposium on Radio-Frequency Integration Technology (RFIT 2018), Melbourne, Australia, Aug. 15-1, 2018.
- Member of the Technical Program Committee of the IEEE MTT-S International Conference on Numerical Electromagnetic and Multiphysics Modeling and Optimization for RF, Microwave, and Terahertz Applications (NEMO2018), Reykjavik, Iceland, August 8-10, 2018.
- Member of the Technical Program Committee of the Fourteenth International Conference on Wireless and Mobile Communications (ICWMC 2018), Venice, Italy, 24-28 June 2018.
- Member of the Technical Program Committee of the 22nd International Conference ELECTRONICS 2018, Palanga, Lithuania, 18-20 June 2018.
- Member of the Technical Program Committee of the IEEE 38th International Conference on Electronics and Nanotechnology (ELNANO-2018), Kyiv, Ukraine, April 24-26, 2018.
- Member of the Technical Program Committee of the 3rd International Conference on Microwave and Photonics (ICMAP2018), Dhanbad, India, 9-11 February 2018.
- Member of the Technical Program Committee of the IEEE MTT-S Radio and Wireless Week 2018 (RWW2018), Anaheim, CA, 14-17 January 2018.
- Member of the Technical Program Committee of the 4th International Conference on Microwave and Terahertz Technology (ICMTT 2018), Bangkok, Thailand, 5-7 January 2018.
- Member of the Technical Program Committee of the IEEE MTT-S International Microwave and RF Conference (IMaRC2017), Ahmedabad, India, 11-13 December 2017.
- Co-Chair of the Antennas and Microwave Technologies Subcommittee at the 35th Progress in Electromagnetics Research Symposium (PIERS), Singapore, 19-22 November 2017.
- Member of the International Technical Committee of the 2017 17th IEEE International Conference on Communication Technology (ICCT 2017), Chengdu, China, Oct 27-30, 2017.
- Member of the Technical Program Committee of the 5th Annual IEEE International Conference on Wireless for Space and Extreme Environments (WISEE 2017), Montréal, QC, Canada, 10-12 October 2017.
- Member of the Technical Program Committee of the European Microwave Week (EuMW2017), Nuremberg, Germany, 8-12 October 2017.
- Member of the Technical Program Committee of the Symposium on Recent Advances in Communication Theory, Information Theory, Antennas and Propagation (CIAP 2017), Manipal, Karnataka, India, 13-16 September 2017.
- Member of the Technical Program Committee of the 17th IEEE International Conference on Ubiquitous Wireless Broadband (ICUWB 2017), Salamanca, Spain, 12-15 September, 2017.
- Member of the Technical Program Committee of the 13th International Conference on Wireless and Mobile Communications (ICWMC 2017), Nice, France, July 23-27, 2017.
- Member of the Technical Program Committee of the 21st International Conference (ELECTRONICS 2017), Palanga, Lithuania, 19-21 June 2017.

- Member of the Technical Program Committee of the 2017 IEEE First Ukraine Conference on Electrical and Computer Engineering (UKRCON), Kyiv, Ukraine, May 29–June 2, 2017.
- Conference Liaison Chair and Member of the Executive Committee of the IEEE MTT-S International Conference on Numerical Electromagnetic and Multiphysics Modeling and Optimization for RF, Microwave, and Terahertz Applications (NEMO2017), Sevilla, Spain, May 17-19, 2017.
- Member of the Technical Program Committee of the 18th Conference on Microwave Techniques (COMITE 2017), Brno, Czech Republic, April 19-21, 2017
- Member of the Technical Program Committee of the 37th IEEE International Conference on Electronics and Nanotechnology (ELNANO-2017), Kyiv, Ukraine, April 18-20, 2017.
- Member of the Technical Program Committee of the 3rd International Conference on Microwave and Terahertz Technology (ICMTT 2017), Bangkok, Thailand, March 18-20, 2017.
- Member of the Technical Program Committee of the IEEE Topical Conference on Wireless Sensors and Sensor Networks (WiSNet2017), Phoenix, AZ, January 15-18, 2017.
- Member of the Technical Program Reviewers Committee of the 2016 IEEE MTT-S Latin America Microwave Conference (LAMC), Puerto Vallarta, Mexico, December 8-10, 2016.
- Member of the Paper Review Committee of the 2016 Asia Pacific Microwave Conference (APMC2016), New Delhi, India December 5-9, 2016.
- Member of the Best Paper Award Committee of the 2016 Asia Pacific Microwave Conference (APMC2016), New Delhi, India December 5-9, 2016.
- Member of the Technical Program Committee of the The Twelfth International Conference on Wireless and Mobile Communications (ICWMC 2016), Barcelona, Spain, November 13-17, 2016.
- Co-Chair of the International Advisory Committee of the 2016 IEEE International Conference on Ubiquitous Wireless Broadband (ICUWB2016), Nanjing, China, October 16-19, 2016.
- Member of the Technical Program Committee of the European Microwave Week (EuMW2016), London, UK, 3-7 October 2016.
- Member of the Technical Program Committee of the 2016 IEEE International Conference on Wireless for Space and Extreme Environments (WiSEE 2016), Aachen, Germany, September 26-29, 2016.
- Member of the Advisory Committee of the IEEE MTT-S International Conference on Numerical Electromagnetic and Multiphysics Modeling and Optimization for RF, Microwave, and Terahertz Applications (NEMO2016), Beijing, China, July 27-29, 2016.
- Member of the Technical Program Review Committee (TPRC) of the IEEE MTT-S International Conference on Numerical Electromagnetic and Multiphysics Modeling and Optimization for RF, Microwave, and Terahertz Applications (NEMO2016), Beijing, China, July 27-29, 2016.
- Member of the Best Student Paper Award Committee of the IEEE MTT-S International Conference on Numerical Electromagnetic and Multiphysics Modeling and Optimization for RF, Microwave, and Terahertz Applications (NEMO2016), Beijing, China, July 27-29, 2016.
- **Co-Chair of Technical Program Committee (TPC)** of the IEEE MTT-S International Microwave Workshop Series on Advanced Materials and Processes for RF and THz Applications (IMWS-AMP 2016), Chengdu, China, July 20-22, 2016.
- Member of the Best Student Paper Award Committee of the IEEE MTT-S International Microwave Workshop Series on Advanced Materials and Processes for RF and THz Applications (IMWS-AMP 2016), Chengdu, China, July 20-22, 2016.
- Chair of the Graduate Student Challenge at the International Microwave Symposium (IMS 2016), San Francisco, CA, USA, May 22-27, 2016.
- Member of the International Advisory Committee of the 2016 IEEE International Workshop on Electromagnetics (iWEM2016), Nanjing, Jiangsu, China, May 16-18, 2016.
- Member of the Best Student Paper Award Committee of the 2016 IEEE International Workshop on Electromagnetics (iWEM2016), Nanjing, Jiangsu, China, May 16-18, 2016.
- Member of the Technical Program Committee of the IEEE 36th International Conference on Electronics and Nanotechnology (ELNANO-2016), Kiev, Ukraine, April 19-21, 2016.
- Member of the Technical Program Committee of the 2nd International Conference on Microwave and Terahertz Technology (ICMTT2016), Beijing, China, March 2-4, 2016.

- Member of the Technical Program Committee of the IEEE Topical Conference on Wireless Sensors and Sensor Networks (WiSNet2016), Austin, TX, USA, Jan. 24–27, 2016. Member of the Technical Program Committee of the IEEE MTT-S International Microwave and RF Conference (IMaRC 2015), Hyderabad, India, December 10-12, 2015.
- Member of the Technical Program Committee of the 2015 Asia-Pacific Microwave Conference (APMC2015), Nanjing, China, Dec. 6–9, 2015.
- Member of the Technical Program Committee of the Mediterranean Microwave Symposium (MMS2015), Lecce, Italy, November 30-December 2, 2015.
- Member of the Technical Program Committee of the Eleventh International Conference on Wireless and Mobile Communications (ICWMC 2015), St. Julians, Malta, October 11-16, 2015.
- Member of the Technical Program Committee of the European Microwave Week (EuMW2015), Paris, France, 5-9 September 2015.
- Jury Member of Student Challenge at the European Microwave Week (EuMW2015), Paris, France, 5-9 September 2015.
- Member of the Technical Program Committee of the IEEE MTT-S International Conference on Numerical Electromagnetic and Multiphysics Modeling and Optimization for RF, Microwave, and Terahertz Applications (NEMO2015), Aug. 11-14, 2015, Ottawa, Canada.
- Member of the Advisory Committee of the IEEE MTT-S International Conference on Numerical Electromagnetic and Multiphysics Modeling and Optimization for RF, Microwave, and Terahertz Applications (NEMO2015), Aug. 11-14, 2015, Ottawa, Canada.
- Jury Member of the Student Paper Competition at the IEEE MTT-S International Conference on Numerical Electromagnetic and Multiphysics Modeling and Optimization for RF, Microwave, and Terahertz Applications (NEMO2015), Aug. 11-14, 2015, Ottawa, Canada.
- Chair of the Graduate Student Challenge at the International Microwave Symposium (IMS 2015), Phoenix, Arizona, USA, May 17-22, 2015.
- Member of the Technical Program Committee of the IEEE 35th International Conference on Electronics and Nanotechnology (ELNANO-2015), Kiev, Ukraine, April 21-24, 2015.
- Member of the Technical Program Committee of the 14th Conference on Microwave Techniques (COMITE 2015), Pardubice, Czech Republic, April 21-23, 2015.
- Member of the Technical Program Committee of the 2015 International Conference on Microwave and Terahertz Technology (ICMTT2015), Suzhou, China, March 18-20, 2015.
- Member of the Technical Program Committee of IEEE Topical Conference on Wireless Sensors and Sensor Networks (WiSNet2015), San Diego, CA, USA, January 25–28, 2015.
- Member of the Technical Program Committee of the 44th European Microwave Conference (EuMC 2014), Rome, Italy, October 5-10, 2014.
- Co-Chair of the Antennas and Microwave Technologies Subcommittee at the 35th Progress in Electromagnetics Research Symposium (PIERS), Guangzhou, China, 25-28 August, 2014.
- Member of the Technical Program Committee of the Tenth International Conference on Wireless and Mobile Communications (ICWMC 2014), Seville, Spain, June 22-26, 2014.
- Member of the Technical Program Committee of the IEEE 34th International Conference on Electronics and Nanotechnology (ELNANO-2014), Kyiv, Ukraine, April 15-18, 2014.
- Member of the Technical Program Committee of IEEE Topical Conference on Wireless Sensors and Sensor Networks (WiSNet2014), Newport Beach, CA, USA, January 19-22, 2014.
- Member of the Technical Program Committee of the 43rd European Microwave Conference (EuMC 2013), Nuremberg, Germany, October 6-10, 2013.
- Jury Member of the Student Challenge at the 43rd European Microwave Conference (EuMC 2013), Nuremberg, Germany, October 6-10, 2013.
- Co-Chair of the Antennas and Microwave Technologies Subcommittee at the 34th Progress in Electromagnetics Research Symposium (PIERS), Stockholm, Sweden, Aug 12-15, 2013.
- Member of the Technical Program Committee of the Ninth International Conference on Wireless and Mobile Communications (ICWMC 2013), Nice, France, July 21-26, 2013.
- Chair of the Graduate Student Challenge at the International Microwave Symposium (IMS 2013), Seattle, WA, USA, June 2-7, 2013.

- Member of the Technical Program Committee of the IEEE XXXIII International Conference on Electronics and Nanotechnology (ELNANO-2013), Kyiv, Ukraine, April 16-19, 2013.
- Member of the Technical Program Committee of the 13th Conference on Microwave Techniques (COMITE 2013), Pardubice, Czech Republic, April 16-18, 2013
- Member of the Technical Program Committee of the International Conference on Information Processing and Wireless Systems (IP-WiS 2013), Djerba, Tunisia, March 21-24, 2013.
- Member of the Technical Program Committee of IEEE Topical Conference on Wireless Sensors and Sensor Networks (WiSNet2013), Austin, Texas, USA, January 20-23, 2013.
- Member of the Technical Program Committee of the European Microwave Conference (EuMC 2012), Amsterdam, The Netherlands, October 30-November 1, 2012.
- **Co-Chair of Technical Program Committee (TPC)** of the IEEE MTT-S International Microwave Workshop Series on Millimeter Wave Wireless Technology and Applications (IMWS2012), Nanjing, China, September 18-20, 2012.
- Member of the Scientific Committee of the Workshop on Applications of Smart Sensors and Wireless Sensor Networks, Valencia, Spain, July 8-12, 2012.
- Member of the Technical Program Committee of the Eighth International Conference on Wireless and Mobile Communications (ICWMC 2012) Venice, Italy, June 24-29, 2012
- Chair of the Graduate Student Challenge at the International Microwave Symposium (IMS 2012), Montreal, Quebec, Canada, June 17-22, 2012.
- Member of the Technical Program Committee of the International Conference on Information Processing and Wireless Systems (IP-WiS 2012), Sousse, Tunisia, March 16-18, 2012.
- Member of the Conference Prize Committee (CPC) at the European Microwave Conference (EuMC 2011), Manchester, UK, 9-14 October 2011.
- **Chair of the Technical Program Committee** of the IEEE International Conference on RFID-Technologies and Applications, Sitges, Barcelona, Spain, on September 15-16, 2011.
- Member of the Technical Program Committee of the 11th Mediterranean Microwave Symposium (MMS 2011), Hammamet, Tunisia, September 08-10, 2011.
- Member of the Technical Program Committee of the 15th Conference on Microwave Techniques (COMITE 2010), Brno, Czech Republic.
- Member of the Technical Program Committee of the International Symposium on Signals, Systems, and Electronics (ISSSE 2007), Montréal, Québec, Canada.
- Member of the reviewer board of the European Microwave Conference since 2003.

### **Session organizer and chair**

Prof. Bozzi has organized various workshops and short courses at international conferences:

- the Workshop "Past and Future of Microwave Passive Components (in Memory of Professor Arthur A. Oliner)" at the IEEE MTT-S International Microwave Symposium (IMS 2021), Atlanta, Georgia, USA, 21-25 June 2021.
- the Workshop "Recent Advances in Additive Manufacturing of Microwave Components" at the 50th European Microwave Conference (EuMC2020), Utrecht, The Netherlands, 10-15 Jan. 2021 (virtual).
- the Workshop "Substrate Integration Technologies and Applications" at the 48th European Microwave Conference (EuMC2018), Madrid, Spain, 23-28 Sept. 2018.
- the Workshop "Towards 5G: New Trends in Microwave Filters" at the International Microwave Symposium (IMS 2017), Honolulu, Hawaii, USA, June 4-9, 2017.
- the Workshop "Emerging Transmission Line Technologies for Interconnect, Components, Circuits and Systems" at the International Microwave Symposium (IMS 2017), Honolulu, Hawaii, USA, June 4-9, 2017.
- the Workshop "Recent Progresses in mmW Multilayer Circuit and System Design and Packaging (MCM/SoP)" at the International Microwave Symposium (IMS 2017), Honolulu, Hawaii, USA, June 4-9, 2017.
- the Workshop "Advanced Mm-Wave Three-Dimensional/Multilayer MCM/SoP and Printing Technologies" at the International Microwave Symposium (IMS 2016), San Francisco, CA, USA, May 22-27, 2016.



- the Workshop "Recent Advancements on Millimeter-wave Heterogeneous and Multilayer MCM Integrations" at the International Microwave Symposium (IMS 2015), Phoenix, Arizona, USA, May 17-22, 2015.
- the Workshop "New Trends in Substrate Integrated Circuits (SICs)" at the 44th European Microwave Conference (EuMC 2014), Rome, Italy, October 5-10, 2014.
- the Workshop "Nanoelectromagnetics of advanced materials for microwave-to-THz applications" at the 44th European Microwave Conference (EuMC 2014), Rome, Italy, October 5-10, 2014.
- the Workshop "Current Trends In Mm-Wave Integrated Circuits And Integration Techniques" at the International Microwave Symposium (IMS 2014), Tampa Bay, Florida, USA, June 1-6, 2014.
- the Workshop "Substrate Integrated Waveguide Component and System" at the International Wireless Symposium (IWS 2014), Xi'an, China, March 24-26, 2014.
- the Short Course "Substrate Integrated Waveguides" at the 43rd European Microwave Conference (EuMC 2013), Nuremberg, Germany, October 6-11, 2013.
- the Workshop on "Integration and Technologies for mm-wave Sub-systems" at the IEEE MTT-S International Microwave Symposium 2012, which will be held in Montréal, Canada, June 17-22, 2012;
- the Workshop on "Substrate Integrated Waveguide (SIW) Technology and Applications" at the European Microwave Conference (EuMC 2011), held in Manchester, UK, October 9-14, 2011;
- the Workshop on "Substrate Integrated Circuits (SICs)" at the IEEE MTT-S International Microwave Symposium, held in Anaheim, CA, USA, on May 22, 2010.

Moreover, he was the organizer and/or chair of several session at international conferences:

- Organizer of the Special Session "Selected Research Topics within the European Region" at the 2022 Asia-Pacific Microwave Conference (APMC 2022), Yokohama, Japan, Nov. 29-Dec. 2, 2022.
- Organizer and Chair of the Special Session "Special Session on Emerging RF Technologies in Asia Pacific Countries" at the 52nd European Microwave Conference (EuMC 2022), Milan, Italy, 27-29 Sept. 2022.
- Organizer and Chair of the Session "Substrate Integrated Waveguides (SIW) filters" at the IEEE MTT-S International Microwave Filter Workshop (IMFW 2021), Perugia, Italy, 17-19 Nov. 2021.
- Chair of the Session "Microwave Filters for Highly Integrated Systems" at the IEEE MTT-S International Microwave Filter Workshop (IMFW 2021), Perugia, Italy, 17-19 Nov. 2021.
- Chair of the Session "Additive Manufacturing for Filter Fabrication" at the IEEE MTT-S International Microwave Filter Workshop (IMFW 2021), Perugia, Italy, 17-19 Nov. 2021.
- Organizer and Chair of the Special Session "Substrate Integrated Circuits and Systems" at the IEEE MTT-S International Microwave Workshop Series on Advanced Materials and Processes for RF and THz Applications (IMWS-AMP 2021), Chongqing, China, 15-17 Nov. 2021.
- Organizer of the Workshop "Past and Future of Microwave Passive Components (in Memory of Professor Arthur A. Oliner)" at the IEEE MTT-S International Microwave Symposium (IMS 2021), Atlanta, Georgia, USA, 21-25 June 2021.
- Chair of the Session "Integrated Waveguides and Composite Structures" at the IEEE MTT-S International Microwave Symposium (IMS 2021), Atlanta, Georgia, USA, 21-25 June 2021.
- Organizer and Chair of the Workshop "Recent Advances in Additive Manufacturing of Microwave Components" at the 50th European Microwave Conference (EuMC2020), Utrecht, The Netherlands, 10-15 Jan. 2021 (virtual).
- Chair of the Session "Transmission Lines and Passive Components" at the 50th European Microwave Conference (EuMC2020), Utrecht, The Netherlands, 10-15 Jan. 2021 (virtual).
- Organizer and Chair of the Special Session "SIW Components and Systems" at the 2020 IEEE MTT-S International Wireless Symposium (IWS2020), Shanghai, China, 20-23 Sept. 2020 (virtual).
- Chair of the Session "Integrated Millimeter-Wave Transmission Lines" at the 2020 IEEE International Microwave Symposium (IMS2020), Los Angeles, CA, USA, 4-6 August 2020 (virtual).
- Organizer of the Special Session "Substrate Integrated Circuit for 5G and Beyond" at the URSI 2020 General Assembly and Scientific Symposium (URSI GASS 2020), Rome, Italy, 29 Aug.-5 Sept. 2020 (virtual).

- Chair of the Session "Passive Microwave and Terahertz Devices" at the 2020 IEEE MTT-S International Microwave Workshop Series on Advanced Materials and Processes for RF and THz Applications (IMWS-AMP 2020), Suzhou, China, 29-31 July 2020 (virtual).
- Organizer and Chair of the Special Session "Microwave Technologies for Communications, Sensing, and Wireless Power Transfer in Asia Pacific" at the 49th European Microwave Conference (EuMC2019), Paris, France, 29 Sept.-4 Oct. 2019.
- Chair of the Session "Applied Computational Electromagnetics" at the 49th European Microwave Conference (EuMC2019), Paris, France, 29 Sept.-4 Oct. 2019.
- Chair of the Session "Additive Manufacturing Technologies and Development - Waveguides" at the IEEE MTT-S International Microwave Workshop Series on Advanced Materials and Processes 2019 conference (IMWS-AMP 2019), Bochum, Germany, 16-18 July 2019.
- Organizer and Chair of the Special Session "Substrate Integrated Circuits and Systems" at the 2019 IEEE MTT-S International Wireless Symposium (IWS2019), Guangzhou, China, 19-22 May 2019.
- Chair of the Session "Filter and Passive Components" at the 2019 IEEE MTT-S International Wireless Symposium (IWS 2019), Guangzhou, China, 19-22 May 2019.
- Chair of the Session "Microwave passive circuits and components II" at the European Microwave Conference in Central Europe 2019 (EuMCE 2019), Prague, Czech Republic, 13-15 May 2019.
- Organizer and Chair of the Special Session "5G Technology in Asia Pacific" at the 48th European Microwave Conference (EuMC2018), Madrid, Spain, 23-28 Sept. 2018.
- Organizer and Chair of the Special Session "EM modelling and Design of SIW Components and Transmission Lines" at the 2018 IEEE MTT-S International Conference on Numerical Electromagnetic and Multiphysics Modeling and Optimization (NEMO2018), Reykjavik, Iceland, 8-10 August 2018.
- Organizer and Chair of the Special Session "SIW Filters and Interconnections" at the 2017 IEEE MTT-S International Conference on Numerical Electromagnetic and Multiphysics Modeling and Optimization for RF, Microwave, and Terahertz Applications (NEMO2017), Sevilla, Spain, May 17-19, 2017.
- Organizer and Chair of the Special Session "Modeling and Design of Microwave Filters " at the 2017 IEEE MTT-S International Conference on Numerical Electromagnetic and Multiphysics Modeling and Optimization for RF, Microwave, and Terahertz Applications (NEMO2017), Sevilla, Spain, May 17-19, 2017.
- Chair of the Session "Additive Manufacturing and Technological Approaches for Passive Components" at the 46th European Microwave Conference (EuMC2016), London, UK, Oct. 3-7, 2016.
- Organizer and Chair of the Special Session "Design of SIW Components, Circuits and Systems" at the IEEE MTT-S International Conference on Numerical Electromagnetic and Multiphysics Modeling and Optimization for RF, Microwave, and Terahertz Applications (NEMO2016), July 27-29, 2016, Beijing, China.
- Organizer and Chair of the Special Session "Modeling and Design of Filters" at the IEEE MTT-S International Conference on Numerical Electromagnetic and Multiphysics Modeling and Optimization for RF, Microwave, and Terahertz Applications (NEMO2016), July 27-29, 2016, Beijing, China.
- Organizer and Chair of the Special Session "Advanced 3-D printing fabrication" at the IEEE MTT-S International Microwave Workshop Series on Advanced Materials and Processes for RF and THz Applications (IMWS-AMP 2016), Chengdu, China, July 20-22, 2016.
- Chair of the Session "Forum on Printing and Future Microwave" at the IEEE MTT-S International Microwave Workshop Series on Advanced Materials and Processes for RF and THz Applications (IMWS-AMP 2016), Chengdu, China, July 20-22, 2016.
- Organizer and Chair of the Special Session "Substrate Integrated Waveguide (SIW) Technology" at the 2016 IEEE International Workshop on Electromagnetics (iWEM2016), Nanjing, Jiangsu, China, May 16-18, 2016.
- Chair of Session "Microwave Circuits and Systems" at the 2016 IEEE International Workshop on Electromagnetics (iWEM2016), Nanjing, Jiangsu, China, May 16-18, 2016.
- Chair of Session "Multiport Structures and Phase Shifters" at the 21st International Conference on Microwave, Radar and Wireless Communications (MIKON2016), Krakow, Poland, May 9-11, 2016.

- Chair of Session "Substrate Integrated Circuits" at the Asia Pacific Microwave Conference (AMPC2015), Nanjing, China, Dec. 6-9, 2015.
- Organizer and Chair of the Focus Session "Microwaves in Agriculture, Environment and Earth Observation (MAGEO)" at the 45th European Microwave Conference (EuMC 2015), Paris, France, 5-9 September 2015.
- Chair of Session "Novel Modal Techniques" at the 45th European Microwave Conference (EuMC 2015), Paris, France, 5-9 September 2015.
- Organizer and Chair of the Special Session "EM Modeling and Design of SIC/SIW and IC Packages" at the IEEE MTT-S International Conference on Numerical Electromagnetic and Multiphysics Modeling and Optimization (NEMO2015), Ottawa, Canada, Aug. 11-14, 2015.
- Chair of the Special Session "Numerical Analysis and Optimization of Substrate Integrated Waveguide Circuits" at the IEEE MTT-S International Conference on Numerical Electromagnetic and Multiphysics Modeling and Optimization (NEMO2015), Ottawa, Canada, Aug. 11-14, 2015.
- Organizer and Chair of the Special Session "SIW/SIC components and systems at millimeter waves" at the 8th Global Symposium on Millimeter-Waves (GSMM 2015), Montreal, Quebec, Canada, May 25~27, 2015.
- Organizer and Chair of Focus Session "Recent Progresses in Monolithic and Multilayer/Planar Integrated Circuits and Components" at the 35th Progress In Electromagnetics Research Symposium (PIERS 2014), Guangzhou, China, August 25-28, 2014.
- Organizer and Chair of Focus Session "Novel Materials and Technologies for Microwave Components" at the 35th Progress In Electromagnetics Research Symposium (PIERS 2014), Guangzhou, China, August 25-28, 2014.
- Chair of Session "Microwave and Power electronics Packaging" at the 15th International Conference on Electronic Packaging Technology (ICEPT 2014), Chengdu, China, August 12-15, 2014.
- Chair of Session "Antennas and Passive Devices" at the International Wireless Symposium (IWS 2014), Xi'an, China, March 24-26, 2014.
- Chair of Session "Advanced Localization and Sensing Technologies" at the 2014 IEEE Radio Wireless Week (RWW), Newport Beach, CA, USA, January 19–22, 2014.
- Organizer and Chair of Focused Session "Microwaves in Agriculture, Environment and Earth Observation (MAGEO)" at the 43rd European Microwave Conference (EuMC 2013), Nuremberg, Germany, October 6-11, 2013.
- Chair of Session "Numerical Modeling and Optimization" at the 43rd European Microwave Conference (EuMC 2013), Nuremberg, Germany, October 6-11, 2013.
- Organizer and Chair of Special Session "Paper-based Microwave Circuits and Antennas" at the 34th Progress in Electromagnetics Research Symposium (PIERS 2013), Stockholm, Sweden, August 12-15, 2013.
- Chair of Focus Session "Advances in Millimeter-Wave and THz Circuit, Techniques and Applications" at the 34th Progress in Electromagnetics Research Symposium (PIERS 2013), Stockholm, Sweden, August 12-15, 2013.
- Organizer and Chair of Session "Gap waveguides and SIW antennas" at the 7th European Conference on Antennas and Propagation, Gothenburg, Sweden, April 8-12, 2013.
- Chair of Session "Active Components and Systems for Phased Arrays" at the European Microwave Conference (EuMC 2012), Amsterdam, The Netherlands, October 30-November 1, 2012.
- Chair of Session "Progress in Passive Components and Circuits" at the European Microwave Conference (EuMC 2012), Amsterdam, The Netherlands, October 30-November 1, 2012.
- Chair of Session "WED1" at the IEEE MTT-S International Microwave Workshop Series on Millimeter Wave Wireless Technology and Applications (IMWS2012), Nanjing, China, September 18-20, 2012.
- Chair of Session "Waveguide Circuits" at the International Conference on Mathematical Methods in Electromagnetic Theory (MMET 2012), Kharkiv, Ukraine, August 28–30, 2012.
- Chair of Session "Transitions and Substrate Integrated Waveguides" at the European Microwave Conference (EuMC 2011), Manchester, UK.
- Chair of Session "EM Numerical Techniques and Applications" at the European Microwave Conference (EuMC 2010), Paris, France.

- Chair of Session "Integrated components" at the European Microwave Conference (EuMC 2010), Paris, France.
- Organizer and Chair of the Special Session "Efficient Microwave Subsystem Design and Optimization" at the 26th International Review of Progress in Applied Computational Electromagnetics (ACES 2010), Tampere, Finland.
- Organizer and Chair of the Focused Session "Focused Session on Substrate Integrated Waveguides" at the European Microwave Conference (EuMC 2009), Rome, Italy.
- Chair of Session "Transitions and Interconnects" at the European Microwave Conference (EuMC 2008), Amsterdam, The Netherlands.
- Chair of Session "Antennas" at the International Symposium on Signals, Systems, and Electronics (ISSSE 2007) Montréal, Québec, Canada.
- Chair of Session "Beam Forming" at the International Symposium on Signals, Systems, and Electronics (ISSSE 2007) Montréal, Québec, Canada.
- Chair of Session "Reflector Antennas" at the IEEE Antennas and Propagation International Symposium (APS 2007), Honolulu, HI, USA.
- Organizer and Chair of the Special Session "Six Port Technology in Software Radio Wireless Communication Systems" at the 23rd Annual Review of Progress in Applied Computational Electromagnetics (ACES 2007), Verona, Italy.
- Chair of Session "Frequency Selective Surfaces" at the IEEE Antennas and Propagation International Symposium (APS 2005), Washington, DC, USA.
- Organizer and Chair of Special Session "Dielectric Resonator Filters" at the Progress in Electromagnetics Research Symposium (PIERS 2004), Pisa, Italy.
- Organizer and Chair of Special Session "Periodic Structures for Space Applications" at the Progress in Electromagnetics Research Symposium (PIERS 2003), Honolulu, Hawaii, USA.
- Chair of Session "Printed Reflectarray Antennas" at the IEEE Antennas and Propagation International Symposium (APS 2003), Columbus, Ohio, USA.
- Chair of Session "Passive Microwave and Millimeterwave Devices" at the European Microwave Conference (EuMC 2003), Munich, Germany.
- Organizer of the "Workshop on Frequency Selective Surfaces" (Pavia, Italy) on March 17, 2000.

### Scientific Publications

Prof. Bozzi authored the Encyclopedia Chapter on "Periodic Structures" in the Wiley Encyclopedia of RF and Microwave Engineering (2005) and co-edited the book "Periodic Structures" (2006).

Moreover, he is the co-author of the book

Ramesh Garg, Inder Bahl and Maurizio Bozzi,  
*Microstrip Line and Slotlines* (3<sup>rd</sup> Edition),  
 Artech House, May 2013.

He authored more than 160 journal papers and more than 350 conference papers.

# Publications of Maurizio Bozzi

## JOURNAL PAPERS

1. M. Shaalan, M. Bozzi, J. Weinzierl, K. Beilenhoff, G. Conciauro, H. Brand, and H. L. Hartnagel, "A 300 GHz Quasi-Optical Schottky Frequency Doubler," *Intern. Journal of Infrared and Millimeter Waves*, Vol. 18, No. 12, pp. 2277–2293, Dec. 1997.
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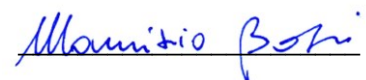
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