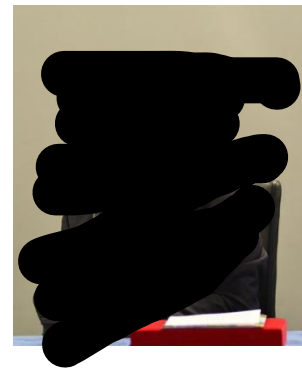


# Curriculum Vitae et Studiorum

## Prof. Morabito Francesco Carlo



### AFFILIATION

University "Mediterranea" of Reggio Calabria  
DICEAM Department

### SCHOLASTIC TRAINING

1985 University of Naples, Italy, "Laurea" Electronic Engineering Degree, Summa cum Laude

### SCIENTIFIC PUBLICATIONS

Editor or co-editor of 20 books, author or co-author of 30 book chapters, author or co-author of more than 370 peer-reviewed journal or conference papers, inventor of 3 international and 1 national patents

### ORCID

<https://orcid.org/0000-0003-0734-9136>

### SCOPUS ID

<https://www.scopus.com/authid/detail.uri?authorId=7103166505>

### INTERNATIONAL SCIENTIFIC SOCIETIES MEMBERSHIP

IEEE (Institute of Electrical and Electronic Engineers): 32 years; Member (1989-2000), Senior Member (2000-todate)  
INNS (International Neural Network Society): Member (1992-2006), Senior Member (2006-todate)  
SIREN (Italian Society of Neural Networks): Member (1989-todate); President (2008-2014)

Chair Italy SIG-INNS (1998-todate)

Member IEEE Admission & Advancement Committee (Senior Member Review Panel)  
Member IEEE P1752 WG  
Member IEEE Brain Community  
Member IEEE Brain Space Initiative  
Member Steering Committee Electrical Engineering National Group (2019-todate)

### PROFESSIONAL EXPERIENCE

#### *Industry Position:*

Consultant Radar Dp., Selenia Spa (then Selex ES, nowadays Leonardo Finmeccanica), 1985-1987  
Researcher Radar System Analysis Dp. Selenia Spa, 1987-1989

#### *University Service:*

Computer Centre Director, University of Reggio Calabria, 1989-1991  
Researcher Electrical Engineering, Faculty of Engineering, Univ. Reggio Calabria, 1991-1998  
Associate Professor Electrical Engineering, Univ. Reggio Calabria, 1998-2000  
Full Professor Electrical Engineering, Univ. Reggio Calabria, 2001-todate

Professor of Electrical Engineering, University of Cosenza, Italy, 2011

Chair Electronic Engineering Degree Course, Univ. Reggio C, 1998-2001  
Ph.D. Committee Mem. Electronic Engineering, Univ. Reggio C, 1999 -2001, Biomedical Engineering, Univ. Reggio

C, 2001 -2004, Information Engineering, Univ. Reggio C, 2004 -2013, Civil, Energy, Environmental and Security Engineering, Univ. Reggio Cal., 2013-2019; Information Engineering 2019-2021; National Ph.D. Course in Artificial Intelligence (2021)

Inner Evaluation Committee Member, University of Reggio Calabria, 2000-2001

Dean of the Faculty of Engineering, 2001–2008

Member of the Italian Conference of Deans of the Engineering Faculties (2001-2008)

Member Bylaws Committee, 2011-2012

Vice-Rector for International Relations and Institutional Relationships, 2012-2018

Vice-Rector for International Relations and Internationalization, 2018-todate

University Delegate European University Association (EUA), 2013-todate

Deputy Rector, 2016-2017

Chair Industrial Engineering Degree, 2016-2019

Member of the National Committee for the Scientific Evaluation of Professor Candidates (ASN), 2016-2018

Steering Committee Member Scientific Cooperation Agreement UNIRC – Italian Space Agency, 2020

Ph. D. Lecturer 3<sup>rd</sup> cycle course “Intelligent Interfaces and Systems”, EPFL, Lausanne, Switzerland, 1999

#### DIDACTIC/TEACHING EXPERIENCE

Chair Steering Committee Master Course in Biomedical Engineering, 2002

Director Post-Degree Master Course, MAMETEK (Biomedical Engineering), University “Dante Alighieri”, 2012-2014

Lecturer at the National School of Ph.D. in Electrical Engineering “Ferdinando Gasparini”, Course in “Neural Networks and Machine Learning”

Lecturer at the Erice Intl. School on Neural Nets “Eduardo R. Caianiello” on Granular Computing, 2010, and Intl.

School on Mathematics “Guido Stampacchia” on Optimization, Machine Learning and Bioinformatics, 2011

Lecturer at the ETH Zurich, Switzerland, October 2010 and March 2014, Korea University Seoul and at the KAIST

Daejeon, South Korea, February 2012, Chongqing University, China, 2014, University of Parma, 2014

Tutor of more than 20 Ph.D. students and of more than 200 Degree Thesis (L/LM) in Electrical and Electronic Engineering / Information Engineering

#### INTERNATIONAL APPOINTMENTS

Foreign Member Royal Academy of Doctors, Barcelona, Spain, February 24, 2004–todate

Member of Barcelona Economic Network (BEN) - Royal Academy of Economic and Financial Science, 2017-todate

Gold Medal “Henry Coanda”, Inventica, 2002, Rumanian Academy of Science, Iasi, Rumania, September 2002, for his leadership in the field of Neural Networks and Fuzzy Systems

Award for Leadership in Research, AEDEM 2001

Governor of INNS, 2000-2002; Secretary of INNS 2003; Governor 2004-2012; Chair of Italy Regional SIG of INNS since 1997

Italian Representative Intl. Associations AMSE (Association for Modelling an Simulation in Enterprise and Engineering), Lyon, France and SIGEF (Intl. Association for Fuzzy Management), Spain

President of SIREN, Salerno, Italy, 2008, former Member Steering and Scientific Committee, organizer of the Italian Workshop on Neural Networks (WIRN), Chair WIRN 2008-2015, Co-Chair 2016-2019

Plenary Lecturer ISEM Tokyo, Japan, 2001; Keynote Speaker MS’2002 Girona, Spain, 2002; MS20010, Barcelona, Spain, 2010; Lecturer IJCNN 2001, Washington DC, USA; Tutorial Lecturer IJCNN 1999 and 2001, SPIE Conference, Baltimore, Maryland, May 2013; Washington DC, USA; Tutorial Lecturer WCCI 2014 Beijing, China; Tutorial Lecturer EANN 2014, Sofia, Bulgaria; Plenary Lecturer RACEF, Barcelona, Spain, 2013-2019

Editorial Board Member International Conferences COMPUMAG and CEFC, IEEE Magnetics Society, since 1997

#### CHAIR/ CO-CHAIR for International Conferences (partial)

Program Committee Member IJCNN (Intl. Joint INNS-IEEE Conference on Neural Networks) 1999-2020

Tutorial Co-Chair IJCNN 1999, 2000, 2001, 2003, 2005; INNS Liaison IJCNN 2000, IJCNN 2010

Nomination Committee Chair, INNS, 2010-2012

Advisory Committee Member IEEE-ICIA 2008, China

European Liaison IEEE IJCNN Barcelona, Spain, 2010

International Liaison IEEE IJCNN Dallas, Usa, 2013

Plenary Chair, IEEE-IJCNN 2015

Registration Chair, WCCI 2020, Glasgow, UK

AMSE-ISIS’97 (International Symposium on Intelligent Systems), September 1997

AEDEM2001 (Engineering Aspects of New Economy), 2001

AMSE-MCMS2003 (Mediterranean Conf. on Modelling and Simulation), 2003

SIGEF 2004 (Information Technologies for the Fuzzy Economy), 2004  
ICIA-IEEE South Korea 2007  
Vice-Chairman Conference AMSE-ISIS'98, Minsk, Belarus  
Member Advisory Committee SSCC'98 Durban, South Africa, 1998  
4th Int. Conf. on Biomedical Engineering, Vietnam, 2015  
WIRN 2009-2019, Vietri S/M, Salerno; NoLisp (NonLinear Signal Processing) 2015, Vietri S/M, Salerno, 18-19, May 2015; IEEE International Conference on Emerging Technologies & Factory Automation, Cagliari, Italy, 2013  
Registration Chair, WCCI 2020, Glasgow, Scotland, UK

#### EDITORIAL BOARD MEMBER/ASSOCIATE EDITOR FOR THE JOURNALS

Referee for Book Chapters, Referee for Encyclopaedia of Biomedical Engineering, M. Akay Editor, Wiley, June 2006

Neural Networks  
Intl. J. of Neural Systems  
Renewable Energy  
Clinical EEG & Neuroscience  
Sensors MDPI  
Entropy MDPI  
Electronics MDPI  
Intelligent Decision Technology (term ended 2016)  
Int. J. on Chaos Theory and Applications  
Int. J. of Computer, Systems and Signal  
Int. J. of Information Acquisition  
Int. J. of Computing & Inform. Technology  
Recent Patents on Computer Science  
Applied Computational Intelligence and Soft Computing  
AMSE Journals  
Fuzzy Economic Review

Reviewer for more than 50 journals

#### PROGRAM/SCIENTIFIC COMMITTEE MEMBER for International Conferences

Member of more than 50 international committees

#### INTERNATIONAL RESEARCH ACTIVITIES

Visiting Researcher Max-Planck Institut fuer Plasmaphysik, NET Team, Asdex-Upgrade, ITER Joint Team, Garching bei Muenchen, Germany, 1993-95, 1999, and 2001  
Member Scientific Investigators Program ADNI, 2012-todate

#### INVITED/PLENARY LECTURES (among others):

Plenary Opening Lect. Int. Symp. on Neural Networks and Fuzzy Systems, AMSE-SYS '95, Czech Republic  
Invited Speaker SPIE's 3165 Conf. on Appl. of Soft Comp., San Diego, CA, July 1997, Intl. Conf. on Simul. and Modelling, Las Palmas, Canary Islands, 2000, ISEM, Tokyo, Japan, 2001, Intl. Conf. on Simul. and Modelling, Girona, Spain, June 2001, and Terni, 2007  
Italian Conference of Electrical Engineers Researchers, Lecce, 2009  
Tutorial Lecturer WCCI 2014 Beijing, China, 2014  
Lectio Magistralis at Italian congress ANSPI, Portoferraio, elba, October 2021  
Founder and "Award Committee Chair" Int. Sc. Prize "E.R. Caianiello"  
Representative of University Mediterranea in the Joint Committee University- National Council of Researches (2002)  
Member St. Comm. Project CNR-Poli d'Innovazione, Regione Calabria, 2010 -2014.

#### COORDINATION OF RESEARCH ACTIVITIES

- 1) Senior Researcher Responsible for the ENEA/EURATOM/CREATE scientific agreement on "Plasma Disruption Prediction with Fuzzy Neural Techniques", ASDEX-Upgrade, Max-Planck Institut fuer Plasmaphysik, Garching bei Muenchen, Germany
- 2) Senior Researcher Responsible for the ENEA/EURATOM/CREATE scientific agreement on "Plasma Diagnostics and Sensor Optimization with Neuro-Fuzzy Systems", 2000-2001
- 3) Senior Researcher Responsible for the ENEA/EURATOM/CREATE scientific agreement on "Disruption Prediction in JET", JET, Abingdon, UK, 2002
- 4) Leader Res. Project EURATOM-ENEA-CREATE Association, Magnetic Diagnostics, "Gaps Estimation in ITER", ITER, 2003
- 5) Research Project Leader European Project, "Monitoring of Urban Data Pollution with Neural Networks", SMAURN

1997

- 6) Local Unity Leader Italian Res. Project MURST, “Multidimensional Data Analysis with Neural Networks: Electromagnetics”, PRIN 1998
- 7) Local Unity Leader Italian Res. Project MURST, “Environmental Data Processing with Neural Networks”, PRIN 2000
- 8) Resp. for Unit Research of the Nat. Project MIUR/PRIN (Research Projects of National Interest) “MADEND” 2002 (Neural Networks and Circuits for Non Destructive Testing in Industry)
- 9) Local Unity Leader Italian Research Project MIUR, “Methods and Appl. of Non-Destructive Electromagnetics Diagnostics, AMDE”, PRIN 2004
- 10) PRIT Projects, Univ. of Reggio Calabria, 2003-2006
- 11) Scientific Leader and Coordinator of Nat. Project on the Generation of University Spin-Off, “A Neuro-Fuzzy Chip for the Processing of Urban Pollution Data”, MIUR, Dipartimento per lo sviluppo e il potenziamento dell’attività di Ricerca, through the “Parco Scientifico e Tecnologico della Calabria”, CALPARK, March 2003
- 12) Scientific Leader and Coordinator of National Research Project “Integrated Systems for Monitoring and Control of Electromagnetic Pollution”, funded by the Italian Ministry of Environment, January 2003
- 13) Unity Leader Project Italian Ministry of Health on “EEG Artefact Reduction”, 2014
- 14) Scientific Coordinator (2) MIUR Projects “Messaggeri della Conoscenza”, with Imperial College, London, UK and CERN, Geneva, CH, 2012-2014
- 15) Leader EU Sub-Program Application n°17, “Computational Intelligence Methods for Biomedical ICT in Neurological Diseases” within “Connect2SEA”, 7<sup>th</sup> EU Framework Program, 2015

Partner of the VI Framework Program EU project ExCoSys, on Engineering Systems of Exponential Complexity, MAGSET, MAGnetic Sensor for Tachymetry, and Horizon 2020 EU Project MindGym

INTERNATIONAL REVIEWER RESEARCH PROPOSAL:

Swiss National Research Foundation, 1998, 2020; Shota Rustaveli Georgian Academy of Science, 2011-2015; University of Padua, 2008-2015-2017; PRIN Projects, MIUR; Marie Curie Program 2013; James Cook Research Fellowships, New Zealand, 2013; SIR, MIUR, 2014-2015; EU COST 2017; ASI; CIVR; CILEA; Polytechnic of Turin, (“Metti in rete la tua idea di ricerca”); Reprise, Italy; National Science Center, Poland, 2018; Pazy Foundation, Israel, 2018; Netherland Organisation for Scientific Research (NWO), 2019; NIH UK, 2021.

Reggio Calabria, October, 10, 2021

