

Europass Curriculum Vitae



Personal information

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Personal Email	giorgio@nordo.it
Nationality	Italiana
Date of birth	21/06/1968

Short biography

I have been teaching and researching for over twenty years at the MIFT (Mathematics, Computer Science, Physics and Earth Sciences) Department of the University of Messina, taught courses in Topology, Computer Science, Digital Geometry and Computational Geometry, written over fifty scientific papers, served on numerous scientific committees of international workshops and conferences, been a visiting researcher in the United States, Spain and Russia, and am accredited as a referee for numerous scientific journals.

Professional address

Sede	Dipartimento di scienze Matematiche e Informatiche, scienze Fisiche e scienze della Terra (MIFT) dell'Università degli Studi di Messina
Indirizzo	Viale Ferdinando Stagno d'Alcontres, 31, Salita Papardo, Contrada Sant'Agata – 98166 Messina
Telefono	+39 090.6765073
Fax	+39 090.393502
E-mail	giorgio.nordo@unime.it
Web site	www.nordo.it

Metrics

H-index	8 (ResearchGate) 8 (Google Scholar) 5 (Scopus)
Publications	50
Citations	187

Professional Experience

Date	4/11/2005 – today
Function or position held	Aggregate professor
Main duties and responsibilities	Teacher: <ul style="list-style-type: none">– <i>Modelli e Metodi Computazionali per la Geometria (Computational Models and Methods for Geometry)</i> for the Master of Science in Mathematics (LM-40) degree program at the University of Messina.– <i>Fondamenti di Informatica (Fundamentals of Computer Science)</i> for the Bachelor of Science in Mathematics (L-35) program at the University of Messina.
Name and address of employer	In addition, I have taught courses in <i>Topology, Geometry III, Digital Topology Institutions of Higher Geometry, Computational Geometry</i> for the C.d.L. in Mathematics of the Faculty of Science MM.FF.NN. and <i>Informatics and Statistics</i> for the Faculty of Pharmacy of the University of Messina. Dipartimento di Matematica e Informatica dell'Università di Messina, Viale Ferdinando Stagno d'Alcontres, 31 – 98166 Messina
Type or field of activity	Teaching
Date	December 2000 – January 2001
Function or position held	Visiting researcher
Main duties and responsibilities	Seminar activities at the Departamento de Matemáticas and research activities in collaboration with prof. Marta Macho Stadler in the field of General Topology for Fibers
Name and address of employer	Universidad del Pais Vasco, Bilbao (Spain)
Type or field of activity	Seminar and research activities in Mathematics and Computer Science
Date	March 1995 – May 1995
Function or position held	Visiting researcher
Main duties and responsibilities	Seminar activities at the Department of Mathematics, Kansas University and research activities in collaboration with Prof. Jack R. Porter in the areas of General Topology and General Topology for Fibers
Name and address of employer	Kansas University, Lawrence (USA)
Type or field of activity	Seminar and research activities in Mathematics and Computer Science
Date	August 1995 – September 1995
Function or position held	Visiting researcher
Main duties and responsibilities	Research activities in collaboration with Prof. Boris A. Pasynkov in the field of General Topology for Fibers
Name and address of employer	Lomonosov Moscow State University (Russia)
Type or field of activity	Research activity in Mathematics and Computer Science
Date	June 1993 – July 1993
Function or position held	Visiting researcher
Main duties and responsibilities	Seminar activities at the Departamento de Matemáticas and research activities in collaboration with Prof. J. Gutierrez and M.A. de Prada in the field of \mathcal{P} -functions
Name and address of employer	Universidad del Pais Vasco, Bilbao (Spain)
Type or field of activity	Seminar and research activities in Mathematics and Computer Science

Date	18/2/1997 – today
Function or position held	confirmed researcher
Main duties and responsibilities	Research activities in the areas of Computational Geometry, General Topology, Topology for Fibers, Mathematical Morphology, Digital Geometry and Topology, Computer Graphics and Image Analysis
Name and address of employer	Dipartimento di Matematica e Informatica dell'Università di Messina, Viale Ferdinando Stagno d'Alcontres, 31 – 98166 Messina
Type or field of activity	Research activities in Mathematics and Computer Science

Date	1/9/1986 – 31/12/1992
Function or position held	Instructor of Computer Science
Main duties and responsibilities	Lecturer in professional training courses for Analysts/Programmers
Name and address of employer	ENIPLA, professional training institution accredited by the Calabria Region, Reggio Calabria
Type or field of activity	Teaching

Education and training

Date	9/06/1998
Certificate or diploma obtained	PhD in Mathematics
Main Subjects/Professional Skills Learned	Superior Analysis, Graph Theory, Topology for Fibers, Combinatorial Geometry
Name and type of educational or training institution	Interuniversity Consortium for Doctoral Research Catania-Messina-Palermo
Title of Thesis	Perfect Compactifications of Functions
Level in national or international classification	ISCED 6, 6th level of the European Union classification 85/368/EEC

Date	26/06/1992
Certificate or diploma obtained	Degree in Mathematics
Main Subjects/Vocational Skills Learned	Mathematical Analysis, Higher Geometry, Numeric Analysis, Probability Calculus, Computer Science, Programming in Fortran, C, Pascal and Delphi
Name and type of education or training institution	Faculty of Science MM.FF.NN., University of Messina
Title of Thesis	Introduction to Fractal Theory
Graduation	110/110 cum laude
Level in national or international classification	ISCED 5, 5th level of the European Union classification 85/368/EEC

Date	1/03/1985
Certificate or diploma obtained	Professional Qualification of Computer Programmer
Main Subjects/Vocational Skills Learned	Fundamental Algorithms, Programming Techniques and Languages
Name and type of institution of education or training	Assessorate for Vocational Training of the Region of Calabria
Voting	Distinct
Level in national or international classification	ISCED 4, 4th level of the European Union classification 85/368/EEC

Partecipation in Research projects

During my academic career I have participated, in some cases as director or manager, in numerous scientific research projects, including:

- Research Unit on Soft and Neutrosophical Topology
Area: 01
Scientific coordinator: Giorgio Nardo
University: University of Messina
Period: 2019 to present
- Participation in the PRIN 2010-2012 scientific research program entitled: "Design theory, spectral graph theory, combinatorial theories and their applications."
Protocol: 20087P8MN2_004
Area: 01
Duration: 24 months
Commitment: 5 man-months in year I (2010), 5 man-months in year II (2011)
Scientific coordinator: prof. Mario Gionfriddo
Scientific coordinator: prof. Giovanni Lo Faro
University: University of Messina
Summary: 11/13/2012
Period: 22-03-2010 to 22-09-2012
- Participation in the PRIN 2006-2008 scientific research program entitled: "Graphs, designs, codes and their applications."
Protocol: 2005018845_005
Area: 01
Duration: 24 months
Commitment: 5 man-months in year I (2006), 5 man-months in year II (2007)
Scientific coordinator: prof. Guglielmo Lunardon
Scientific coordinator: prof. Mario Gionfriddo
University: University of Catania
Summary: 02/25/2008
Period: 30-01-2006 to 29-01-2008
- Scientific Responsible of the Research Unit under the PRA University Research Program. 2005 of the University of Messina entitled "Digital Geometry".
Area: 01 - Mathematical and Computer Sciences
Protocol: ORME058915
Commitment: 6 man months
Period: from 01-10-2005 to 30-09-2006
- Participation in the PRIN 2001-2004 scientific research program entitled: "Drawings, hypergraphs and their applications" for 2003-2004.
Protocol: 2003013538_002
Area: 01
Duration: 24 months
Commitment: 5 man-months in year I (2003), 5 man-months in year II (2004)
Scientific coordinator: prof. Guglielmo Lunardon
Scientific coordinator: prof. Giovanni Lo Faro
University: University of Messina
Summary: 7/12/2005
Period: 20-11-2003 to 19-11-2005
- Participation in the PRIN 2001-2004 scientific research program entitled: "Drawings, hypergraphs and their applications" for 2001-2002.
Protocol: 2001017228_002
Area: 01
Duration: 24 months
Commitment: 6 man months in year I (2001), 6 man months in year II (2002)
Scientific coordinator: prof. Guglielmo Lunardon
Scientific coordinator: prof. Giovanni Lo Faro
University: University of Messina
Summary: 19/01/2004
Period from 12-12-2001 to 19-11-2003

Participation in workshops and summer schools

Summer School of Combinatoric Geometry. San Felice del Benaco, July 14-20, 1996

Summer School of Combinatoric Geometry. Hermitage of Bienno, July 17-23, 1994

1992 Summer School of Mathematics. Perugia, Italy, July 26-August 29, 1992

Workshop on Topology Vietri sul Mare, 25-28 maggio 1992

Teaching experience

Postgraduate courses

Computational geometry

A 32-hour course for the 19th cycle of the PhD program in Mathematics at the University of Messina. University of Messina, A.A. 2005-2006

Laboratory in Didactics of Mathematics.

Course for the first year of SISSIS, Sicilian Inter-University School of Specialization for Secondary Teaching in Physics, Computer Science and Mathematics (classes 47/A and 49/A). Computer Science and Mathematics (competition classes 47/A and 49/A) for graduate students organized by the University of Messina, A.A. 2000-2001

Topology General for Fibers.

40-hour course for the 15th cycle of the Ph.D. program in Mathematics at the University of Messina. University of Messina, A.A. 1999-2000

University courses

Fundamentals of Computer Science

A 60-hour (6 CFU, credit-bearing) course in fundamentals of computer science, including notions of algorithm theory and programming in the C, Pascal/Delphi and Python languages for first-year students in the Bachelor of Science in Mathematics. 2020 to present.

Computational Models and Methods for Geometry.

48-hour course (6 CFU, course credit) on computational geometry and related computer applications for second-year students in the Master of Science in Mathematics degree program. 2016 to present.

Geometry III

48-hour course (6 CFU, course credit) on General Topology and Cardinal Number Theory for third-year students in the Bachelor of Science in Mathematics. 2011 to 2013.

Graphical Models and Methods for Geometry

48-hour course (6 CFU, course credit) on computational geometry and related computer applications for second-year students in the Master of Science in Mathematics degree program. 2008 to 2014.

Laboratory of Didactics of Mathematics.

Module included within the Geometry course for the Master of Science in Mathematics degree at the University of Messina. 2008 to 2009.

Digital Topology

48-hour course (6 CFUs, course credit) on geometry and digital topology for the M.S. degree in Mathematics. 2003 to 2008.

Computational Geometry

Computational Geometry module included within the Combinatorial Geometry course for the Master's Degree in Mathematics at the University of Messina. 2004 to 2005.

Topology

48-hour course (6 CFUs, course credits) in General Topology for the M.S. degree in Mathematics. 2000 to 2008.

II module of Institutions of Higher Geometry.

48-hour course (6 CFUs, course credit) in General Topology for the master's degree in Mathematics. 2000 to 2002.

Computer Science and Statistics.

60-hour course on the fundamentals of computer science and statistics for the Master of Science in Pharmacy degree at the University of Messina. 1996 to 1997.

Upper Geometry Exercises.

Course supplements, seminars and tutorials for the Master's Degree in Mathematics, University of Messina. 1996 to 1999.

Exercises in Geometry

Supplements, tutorials and exercises for the master's degree course in Mathematics at the University of Messina. 1998 to 2000.

Supervision of dissertation

Introduction to Fractals via Systems of Iterated Functions

Master's thesis by Carmela Aliberti, January 2015

An Introduction to Digital Topological Spaces

Angela Santoro's master's thesis, December 2013

Gap and Dimension in Digital Spaces

PhD thesis by Angelo Maimone, March 2009

Metric Functions in General Topology for Fibers.

Master's thesis by Angelo Maimone, June 2003

Theory of Compactifications of Functions in Topology for Fibers

Master's thesis of Francesco Raffa, September 2002

Research Interests

General Topology

1993 to present

General Topology for Fibers

1995 to present

Geometry and Digital Topology

2005 to present

Soft Topology

2018 to present

Biharmonic equations

2018 to present

Topology Neutrosophic

2018 to present

Participation in conferences and congresses

Participation as an invited speaker (invited speaker) at the International Conference on Analysis and Applied Mathematics 2022 (ICAAM 2022) held from April 26 to 28, 2022 and organized by the Department of Mathematics of the Ayya Nadar Janaki Ammal Collge of Sivakasi, Tamil Nadu (India) together with the Ramco Institute of Technology, Rajapalayam, Tamil Nadu (India) with a lecture entitled "Fibrewise General Topology: a short introduction."

Participation as invited speaker at the National Mathematics Day Observation organized by the Department of Mathematical Sciences of Bodoland University, Kokrajhar, India, held on December 22, 2021 with a lecture entitled "An introduction to Fibrewise General Topology"

Participation in the 21st European Conference of the De Benedetti Foundation organized by the "De Benedetti" Foundation and held in Reggio Calabria on June 15, 2019

Participation in the International Conference on Mathematical Modeling in Physical Sciences (IC-MSQUARE) organized by the Department of Mathematics, Moscow State University and held in Moscow (Russia) from August 27 to 31, 2018

Participation as speaker/co-author of two scientific communications at the International Workshop on Combinatorial Image Analysis (IWCIA 2006) held at the Humboldt Universitat Berlin (Germany) from June 19–21, 2006, Berlin (Germany) with a communication entitled "Counting Gaps in Binary Images" with V.E. Brimkov and A. Maimone and a communication entitled "On the Notion of Dimension in Digital Spaces" with V.E. Brimkov and A. Maimone

Participation in the Digital Geometry Workshop (DGW 2005) organized by the Department of Mathematics, Messina, and held November 21-24, 2005: scientific exchanges

Organization of and participation as a speaker in the conference "Days of Geometry" organized by the Department of Mathematics of the University of Messina and held in Messina November 11-12, 2004 with a scientific communication entitled "A brief survey on Digital Topology"

Participation in the satellite congress "Geometry, Topology and Combinatorics" organized by Royal Institute of Technology (KTH), ETH Zurich, University of Edinburgh and Steklov Mathematical Institute of Moscow held in Stockholm Sweden) July 3-6, 2004: scientific exchanges

Participation in the European Congress of Mathematics (4ECM) organized by the Royal Institute of Technology (KTH) held in Stockholm Sweden) from June 27 to July 2, 2004: scientific exchanges

Participation in Webbit 2004 held in Milan, Italy, June 3-4, 2004.

Participation in the conference "Mathematics and Culture" organized by the Department of Applied Mathematics of Ca' Foscari University and held in Venice from March 26 to 28, 2004

Participation in the congress Discrete Geometry for Computer Imagery (DGCI 2003) organized by the International Association for Pattern Recognition (IAPR) and held in Naples from November 19 to 21, 2003: scientific exchanges

Participation in the International Symposium on Graphs, Designs and Applications (ISGDA 2003) organized by the Department of Mathematics of the University of Messina and held in Messina from September 30 to October 4, 2003: scientific exchanges

Participation in the conference "Days of Geometry" organized by the Department of Mathematical Methods and Models MeMoMat of "Sapienza" University of Rome and held in Rome from December 4 to 6, 2003 a communication and scientific exchanges

Participation as a speaker at the 8th AHA congress, Algebraic Hyperstructures and Applications held in Samothraki (Greece) from September 1 to 9, 2002 with a scientific communication on the classification of hypergroups of order 3 using algorithms

Participation in the International Congress of Mathematicians 2002 organized by the International Mathematical Union and held in Beijing from August 20 to 28, 2002: scientific exchanges

Participation in the 6th Workshop on Combinatorics organized by the Department of Mathematics of the University of Messina held in Messina from March 25 to 27, 2002.

Participation as a speaker at the "Sixteenth Summer Conference on Topology and its Applications" organized by New York City College and held in New York, USA, July 18-21, 2001 with a communication on Fibrewise General Topology

Participation in the IV Iberoamerican Conference on Topology and its Applications. organized by the Departamento de Matemática da Universidade de Coimbra and held at the Centro de Matemática da Universidade de Coimbra (Portugal). April 18 to 21, 2001: communication and scientific exchanges.

Participation as a speaker at the First Turkish International Conference on Topology and Its Applications, held in Istanbul, Turkey, from August 2 to 5, 2000 with a communication entitled "Some new results on characterization of continuity"

Participation in the 5th Workshop on Combinatorics organized by the Department of Mathematics of the University of Messina held in Messina from November 8 to 10, 1999.

Participation as invited speaker at the Meeting on Topological Spaces Theory and its Applications, held in Yatsushiro (Japan) August 28-29, 1998 with a lecture entitled "On the posets of compactifications of mappings."

Participation in the "International Conference on Topology and its Applications" held in Yokohama (Tokyo Prefecture), Japan from August 23 to 27, 1999: communication and scientific exchange

Participation as a speaker at the 7th International Congress on Algebraic Hyperstructures and Applications, held in Taormina, Messina, Italy, June 13-19, 1999 with a communication entitled "Instant Hypergroup: an interactive test for hyperstructures" with a presentation of software for interactive testing of hyperstructures

Participation as a speaker at the III Congreso Iberoamericano de Topología y sus Aplicaciones held at the Escuela Universitaria de Gandia in Gandia, Spain, April 7-9, 1999 with a communication entitled "Magill-type theorems"

Participation in the 4th Workshop on Domain held in Rolandseck (Germany) from October 2-4, 1998: scientific exchanges.

Participation as a speaker at the 8th Conference on Real Analysis and Measurement Theory (VIII CARTEMI) held in Maiori, Salerno, Italy, Sept. 22-26, 1998. With a communication on the properties of compactifications of functions

Participation as a speaker at the 27th Workshop of the International School of Mathematics "G. Stampacchia" on Convergence and Topology, held at the Ettore Majorana Foundation and Centre for Scientific Culture in Erice (Trapani) from June 27 to July 2, 1998 with a communication entitled "On the posets of all the Hausdorff and all the Tychonoff

Participation as a speaker (as well as organizer) at the XIV International Congress of Topology held in Milazzo (Messina) September 15-19, 1997 with a communication entitled "Perfect Compactifications of spaces and mappings."

Participation in the VIII Prague Topological Symposium organized by the Mathematical Institute of Czechoslovak Academy of Sciences, International Mathematical Union and held in Prague, Czech Republic, August 19-23, 1996: a communication and scientific exchanges.

Participation as a speaker at the Meeting of Topology and Geometry held in Fermo (Ancona) May 26-27, 1995 with a communication in the area of P-function theory.

Participation as a speaker at the Meeting of the Class of Physical Mathematical and Natural Sciences of the Peloritan Academy of Periculants held at the headquarters of the University of Messina on December 19, 1994. with a lecture entitled "On product of P-functions," the text of which was accepted as a memoir for publication in the Proceedings of the Peloritan Academy of Periculants, Class I of MM.FF.NN. Sciences, Vol. LXXII (1994), pp. 465-478

Participation as a speaker at the congress "XII National Congress of Topology," held in Perugia, Italy, May 13-14, 1994 with a communication entitled "Recent results on the product of P-functions."

Participation as a speaker at the congress "XI International Congress of Topology" held in Trieste, September 6-11, 1993 with a communication entitled "Some results on P-functions."

Participation as invited speaker at the "Seminarios de Topologia sobre Espacios H-cerrados - Extensiones topologicas" held at the Departamento de Matematicas de la Universidad del Pais Vasco - Euskal Herriko Unibertsitatea in Bilbao (Basque Country, Spain) from June 28 to July 7, 1993. With a lecture entitled "P-functions."

Professional skills and competencies

Mother tongue

Other language(s)

*Self-assessment
European level^(*)*

English

French

Social skills and competencies

Italian

Understanding		Speaking				Writing			
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C2	Proficient user	C1	Proficient user	C1	Proficient user	C2	Proficient user
B1	Independent user	C1	Proficient user	B1	Independent user	B1	Independent user	B1	Independent user

^(*) Common European Framework of Reference (CEF) level

In my professional and academic career, during which I have constantly combined teaching and research activities, I have developed good analytical and synthesis skills and honed my skills as a disseminator and communicator. I am able to relate to people of different nationalities and cultures thanks to my experience in academia in Italy and abroad.

Organizational skills and competencies

I am able to independently organize work, setting priorities and taking responsibility acquired through the various professional experiences listed above in which I was always required to independently manage different activities while meeting deadlines and set goals. Specifically, I have been:

- General Chair of the International Workshops on Combinatorial Image Analysis (IWCIA 2022) held in Messina, Italy July 15-17, 2022 (www.iwcia2022.org).
- member of the Organizing Committee of the Workshop on Topology held on July 12, 2022 at the MIFT Department of the University of Messina.
- responsible for the Research Unit of Soft and Neutrosophic Topology of the MIFT Department of the University of Messina
- member of the Scientific Committee of the congress Related Problems of Continuum Mechanics, held in Tbilisi (Georgia) from October 12 to 13, 2018
- responsible for the Research Unit of Geometry and Digital Topology of the MIFT Department of the University of Messina
- chairman of the Organizing Committee of Mamboday 2007, a workshop of web developers and users of CMS Mambo held in Reggio Calabria November 22-23, 2007
- member of the organizing committees of the previous editions of MamboDay 2006 held in Venice from November 10 to 11, 2006 and MamboDay 2005 held in Portici (NA) from November 4 to 5, 2005
- member of the Organizing Committee of Mamboday 2006, workshop of web developers and users of CMS Mambo held in Venice from November 10 to 11, 2006
- chairman of the Scientific Committee and Organizer of the Digital Geometry Workshop (DGW2005) held in Messina from November 21 to 24, 2005
- member of the Organizing Committee of Mamboday 2005, workshop of web developers and users of CMS Mambo held in Portici (NA) from November 4 to 5, 2005
- member of the Organizing Committee of the Congress Days of Geometry held in Messina November 11-12, 2004
- member of the Organizing Committee of the International Symposium on Graphs, Designs and Applications (ISGDA 2003) held in Messina from 9/30 to 4/10 2003
- member of the Organizing Committee of the 6th Workshop on Combinatorics held in Messina March 25-27, 2002
- member of the Organizing Committee of the "Mathematics Meetings", seminar structure of the Department of Mathematics and Computer Science, University of Messina
- member of the Organizing Committee of the XIV International Congress of Topology (Milazzo, September 15-19, 1997).

Technical skills and competencies

Excellent skills in analysis, design and development of complex software and web systems. Good knowledge of the Model-View-Controller (MVC) software/web development paradigm. Excellent understanding of technical documents including those written in English. Excellent graphic design skills for building print and multimedia products. Good knowledge of digital video editing and post-production techniques. Good knowledge of website positioning and promotion techniques.

Computer skills and competencies

Excellent skills and experience in the design and development of accessible websites conforming to the XHTML 1.0, CSS and WAI WCAG 1.0 requirements of the World Wide Web Consortium (W3C), as well as with the specific requirements of Law No. 4 of January 9, 2004, "Provisions to promote access of disabled persons to information technology tools" (better known as the Stanca Law) as well as in the evaluation of the level of accessibility of a site created by third parties and in the drafting of the related technical accessibility report.

Excellent knowledge of Windows operating systems (in various versions) and Office package as well as most of the Internet communication tools. Good knowledge of Linux and Unix operating systems and the main Open Source software available for them.

Excellent knowledge of Python, C, Pascal, Delphi / Lazarus, C++, Visual Basic, Perl, GLBasic and Dart programming languages. Good knowledge of PyCharm and Visual Studio Code integrated development environments. Good knowledge of application design and development techniques (*apps*) for smartphones in the Android environment, especially with the Flutter framework. Excellent knowledge of description and modeling languages for web sites and applications and in particular XHTML, CSS, HTML, JavaScript, AJAX, JQuery, MySQL and PHP. Excellent knowledge of the CodeIgniter framework used for building dynamic websites in PHP/MySQL. Good knowledge in installing and configuring Apache web server both locally and remotely. Excellent knowledge of software tools for web code development including Adobe Dreamweaver, CodeLobster, Eclipse and Top Style.

Excellent knowledge of the typesetting language \LaTeX and its main packages. Excellent knowledge of major multimedia graphics software including Adobe Photoshop, Adobe Fireworks, Microangelo, Adobe Flash, and Gimp. Good knowledge of video editing software such as Adobe Premiere, Wondershare Fimora, AVS Video Editor and Adobe After Effects. Good knowledge of major data transfer protocols and software to and from external servers. Good knowledge of major three-dimensional graphic modeling software such as 3DStudio Max and Blender.

In addition, I am an accredited Ei-Pass tutor on the Didasko platform and have earned the certifications Ei-Pass 7 User Modules, Ei-Pass Web, Ei-Pass Progressive, Ei-Pass Teacher, Ei-Pass Digital School issued by the official provider of the CertiPass international computer skills certification programs.

Artistic skills and competencies

Discrete skills in creative writing and written communication for the web. Discreet skills in freehand drawing and use of graphic software. Good skills in creating original logos and trademarks.

Other skills and abilities

I have also occasionally published popular mathematical and computer science articles in regional print magazines and newspapers and some online magazines.

License

Motorcycle License type A and Car License type B

Publications

In the course of my academic career I have produced more than forty scientific articles published in international journals, a handbook for scientific writing published by Apogeo, and numerous handouts for student use.

Scientific Papers

Arif Mehmood, Samer Al Ghour, Farkhanda Afzal, Giorgio Nordo, and Najma Saleem. Comprehensive note on characterization of neutrosophic soft p -open sets in neutrosophic soft quad-topological space. *Journal of Intelligent & Fuzzy Systems*, pages 1–22, 2022.

Hovik A. Matevossian and Giorgio Nordo. Homogenization of the semi-linear parabolic problem in a perforated cylinder. *Lobachevskii Journal of Mathematics*, 43:1696–1706, 2022.

Muhammad Ishfaq, Samer Al Ghour, Arif Mehmood, Farkhanda Afzal, Li Zhongyan, and Giorgio Nardo.

Characterization of vague hyper soft alpha open sets.

Journal of Intelligent & Fuzzy Systems, pages 1–15, 2022.

Hovik A. Matevossian, Giorgio Nardo, and Giovanni Migliaccio.

Biharmonic Problems and their Applications in Engineering and Technology, pages 557–575.

Springer Nature Switzerland AG, Basingstoke, 2021.

H.A. Matevossian, M.U. Nikabadze, G. Nardo, and A.R. Ulukhanyan.

Biharmonic Navier and Neumann problems and their application in mechanical engineering.

Lobachevskii Journal of Mathematics, 42:1876–1885, 2021.

S. Jafari, R.M. Latif, G. Nardo, and N. Rajesh.

Properties of alpha-open sets in ideal generalized topological spaces.

Poincaré Journal of Analysis and Applications, 8:231–244, 2021.

A. Mehmood, F. Nadeem, G. Nardo, M. Zamir, C. Park, H. Kalsoom, S. Jabeen, and M. I. Khan.

Generalized neutrosophic separation axioms in neutrosophic soft topological spaces.

Neutrosophic Sets and Systems, 32:38–51, 2020.

Arif Mehmood, Giorgio Nardo, Fawad Nadeem, Humaira Kalsoom, Shamoona Jabeen, and Mehak Gul.

Neutrosophic soft s-open sets.

Sohag Journal of Mathematics, 7:53–61, 2020.

H.A. Matevossian, G. Nardo, and T. Sako.

Biharmonic problems and their application in engineering and medicine.

IOP Conference Series: Materials Science and Engineering, 934:1–10, 2020.

Giorgio Nardo.

A soft embedding theorem for soft topological spaces.

In *Developments and Novel Approaches in Nonlinear Solid Body Mechanics*, volume 130, pages 37–57, Cham, 2020. Springer Nature.

Arif Mehmood, Fawad Nadeem, Choonkil Park, Giorgio Nardo, Humaira Kalsoom, Muhammad Rahim Khan, and Naeem Abbas.

Neutrosophic soft alpha-open set in neutrosophic soft topological spaces.

Journal of Algorithms and Computation, 52:37–66, 2020.

Hovik A. Matevossian, Giorgio Nardo, and Anatoly V. Vestyak.

Behavior of solutions of the cauchy problem and the mixed initial boundary value problem for an inhomogeneous hyperbolic equation with periodic coefficients.

In *Developments and Novel Approaches in Nonlinear Solid Body Mechanics*, volume 130, pages 29–35, Cham, 2020. Springer Nature.

Giorgio Nardo, Arif Mehmood, and Said Broumi.

Single valued neutrosophic filters.

International Journal of Neutrosophic Science, 6:8–21, 2020.

Arif Mehmood, Giorgio Nardo, Muhammad Zamir, Choonkil Park, Nazia Hanif, Fawad Nadeem, and Shamoona Jabeen.

Soft b-separation axioms in neutrosophic soft topological structures.

Annals of Fuzzy Mathematics and Informatics, 18:93–105, 2019.

Arif Mehmood, Fawad Nadeem, Muhammad Zamir, Giorgio Nardo, Choonkil Park, and Mehak Gul.

Other separation axioms in soft bi-topological spaces.

Malaya Journal of Matematik, 7:724–734, 2019.

Hovik Matevossian, Giorgio Nardo, and Tokuei Sako.

Some biharmonic problems and their application in technology and medicine.

In *Book of Abstracts: International Scientific Workshop "Related Problems of Continuum Mechanics, Section "Related problems of Analysis*, pages 20–20, Kutaisi, 2019.

Hovik Matevossian and Giorgio Nardo.

Homogenization of semilinear elliptic and parabolic operators in perforated domains.

In *Book of Abstracts: International Scientific Workshop "Related Problems of Continuum Mechanics, Section "Related problems of Analysis*, pages 19–19, Kutaisi, 2019. Akaki Tsereteli State University.

Giorgio Nardo.

Soft n-topological spaces, 2019.

Giorgio Nardo.

An embedding lemma in soft topological spaces.

In *Proceedings of the International Scientific Conference on Related Problems of Continuum Mechanics*, pages 194–199, Kutaisi, 2018. Prof. Mikhail Nikabadze and Prof. Hovik Matevossian.

Angelo Maimone and Giorgio Nardo.

A note on dimension and gaps in digital geometry.

Filomat, 31:1215–1227, 2017.

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ISBN: 9788850310272.

Additional Information

In the course of my academic activity, I have participated in numerous conferences in Italy and abroad and maintain intense collaborative relationships scientific with several colleagues including:

- Prof. Filippo Cammaroto (from the University of Messina),
- Prof. Giovanni Lo Faro (of the University of Messina),
- Prof. Valentin E. Brimkov (of the SUNY Buffalo College,, U.S.A.),
- Prof. Ljubiša Kocinac (of the University of Nis, Serbia),
- Prof. Yanxun Chang (from Peking University, People’s Republic of China),
- Prof. Reinhard Klette (of the University of Auckland, New Zealand),
- Prof. Reneta P. Barneva (of the University of Fredonia, U.S.A.),
- Prof. Arif Mehmood Khattak (of the University of Riphah, Islamabad, Pakistan).
- Prof. Hovik A. Matevossian (of the Russian Academy of Sciences, Moscow, Russia)
- Prof. Marta Macho Stadler (of the University of the Pais Vasco, Bilbao, Spain)
- Prof. Said Broumi (of Hassan II University, Casablanca, Morocco)
- Prof. Boris A. Pasyukov (of Moscow State University, Russia)
- Prof. Saeid Jafari (of the College of Vestsjaelland South and Mathematical and Physical Science Foundation, Slagelse, Denmark)
- Prof. Jack R. Porter (of the University of Kansas, Lawrence, U.S.A.).

At the formal invitation of the departments concerned, I was also *visiting researcher* at the University of the Basque Country (Bilbao, Spain), Kansas University (U.S.A.) and Moscow State University (Russia) where I gave seminars and conducted collaborative scientific work. I have repeatedly performed peer review activities, as Referee, for the following international scientific journals upon request:

- *Divulgaciones Matematicas*
- *International Journal of Computer Mathematics (IJCM)*
- *Journal of Mahani Mathematical Research Center (JMMRC)*
- *Sohag Journal of Mathematics (SJM)*
- *Filomat*
- *Italian Journal of Pure and Applied Mathematics*
- *Journal of Mathematical Extension*
- *Discussiones Mathematicae - General Algebra and Applications (DMGAA)*
- *Mathematical Sciences Letters (MSL)*
- *International Journal of Neutrosophic Science (IJNS)*
- *Discrete Applied Mathematics*
- *Soochow Journal of Mathematics*
- *Glasnik Matematicki*
- *Axioms*
- *TWMS Journal of Applied and Engineering Mathematics*
- *Symmetry*
- *Knowledge and Information Systems*

and I am also a member of the volume's Editorial Board:

- *Computational Mathematics and Mathematical Physics* special issue of the "Mathematical Physics" section of the journal *Axioms* (ISSN: 2075-1680) edited by MDPI

as well as a member of the Editorial Board of the following scientific journals:

- *International Journal of Neutrosophic Science (IJNS)* published by Gretna LA: American Scientific Publishing Group and edited by S. Broumi and F. Smarandache (<http://americaspublishing.com/journals/show/21>) (ISSN (Print): 2692-6148, ISSN (Online): 2690-6805), 22-05-2020 to present
- *Applied Mathematics and Mathematical Physics* edited by Russian Academy of Sciences, Publishing house "Nauka", Moscow, Russia. and edited by A. Damlamian and V.V. Zhikov (ISSN: 2312-0975), from 17-04-2014 to 31-12-2018
- *Neutrosophic Sets and Systems (NSS)* edited by the University of New Mexico (UNM), USA, directed and founded by prof. Florentin Smarandache (<http://fs.unm.edu/NSS/>) (ISSN (print): 2331-6055, ISSN (online): 2331-608X), 03-06-2020 to present.

For over 30 years I have been teaching programming and web development courses at various levels and have created numerous portals and web applications for public and private clients.

In 2002 I founded equal, an association of freelance web developers of which I am still president. I follow with interest several software and web development projects in the Open Source sphere and I was the only Italian to be part of the small international working group called *Core Dev Team* in charge of developing the well-known CMS (Content Management System, a web application for content management and the creation of Internet portals) called Mambo, better known today as Joomla.

Since 2003, I have also been interested in web content accessibility and in this area I have contributed to several projects, including CMSaccessible, a suite for building low-cost accessible portals that meets all WAI international standards as well as the requirements of Law 4/2004 (Stanca Law) and which is specifically aimed at municipalities, schools and public administrations.

Since 2007 I have been part of the Scientific Committee of AssoDigitale, the Italian association of digital media operators, with responsibility for Best Practice for accessible CMSs based on Open Source platforms.

Since 2015, I have qualified as an EIPASS examiner (European Informatics PASSport, the international IT certification program delivered by CERTIPASS), I have obtained several certifications (including EIPASS 7 User Modules, EIPASS Junior, EIPASS Basic, EIPASS Web and EIPASS Teacher). In addition, following evaluation of qualifications and past teaching activity, I was included in the roll of external teachers of Professional Training of the Province of Reggio Calabria (now Metropolitan City of Reggio Calabria) for the teachings of Mathematics, Basic Computer Science, Web Page Design and Programming.

Since 2016, I have been the president and founding member of Calabria Formazione (www.calabriaformazione.it), a registered non-profit association which, thanks to the contribution of experts, technicians and professionals, works in the field of knowledge transfer to individuals and institutions. More specifically, the association, deals with Solidarity Training, organizing specialized training courses of an innovative nature that do not involve no cost to users, Technical-Scientific Dissemination, producing publications and organizing conferences and seminars of an educational nature on specific topics and ICT consulting by assisting public or private entities in the implementation of projects of social interest that involve IT skills that they do not possess internally, as well as participation and scientific contributions to conferences, seminars and cultural events.

Personal interests

Always passionate about programming and web development, education and science dissemination, I alternate my academic activities with my involvement in the nonprofit association Calabria Formazione and political interests. I love reading, art, hiking, visiting new countries, playing chess, watching good movies, and in the past I also practiced skydiving. For the past few years, after realizing I can't fly, I have been passionate about drones.

I declare that the information in this Curriculum Vitae consisting of 18 (eighteen) pages is accurate and true.

I authorize the processing of personal data, including sensitive data, pursuant to and for the purposes of Legislative Decree No. 196/2003.

Reggio Calabria, 30/07/2022

dott. Giorgio NORDO

