

Curriculum Vitae

Eugenio Nappi

Professional experience:

Dr. E. Nappi studied physics at the University of Bari. He completed his higher education in 1981 with a thesis in experimental particle physics on the measurement of direct photon production with high transverse momentum in hadron-hadron collisions at the CERN-SPS NA24 experiment. In 1983, he became a staff researcher at the INFN and, since 2002, he has been Director of Research.

Former director of the INFN Unit of Bari from 2006 to 2012 and member of the Executive Committee of INFN from 2012 to 2020, he served as Vice President of INFN from January 2019 to July 2020.

His scientific activity has been carried out primarily at CERN and DESY (Germany). Collaboration with USA groups at BNL (Brookhaven) and TJNAF Laboratory (Virginia) has fruitfully been established in the last years. Since the beginning of his career, he has had a keen interest in the experimental aspects of CERN physics programme of ultra-relativistic collisions of heavy ions. In this field, devoted to the study of the hot and dense medium formed by the coalescence of hundreds of protons and neutrons, he has been active in the NA35, WA97 and NA57 experiments at the SPS and, subsequently, in the conception and development of the ALICE experiment at the LHC. During the thirty years spent in ALICE, he has occupied the highest managerial positions; he has been member of the Management Board of ALICE since 1998, year in which he was the recipient of a two-year scientific associateship at CERN to serve the experiment as deputy-spokesperson. In this role, he played leading responsibilities and the coordination of the international teams involved in the editing of the Technical Design Reports of the ALICE sub-systems.

At the end of his mandate, in 2000, he became the project leader of the Cherenkov system, named HMPID (High Momentum Particle Identification Detector), devoted to the identification of charged hadrons with a transverse momentum above 1 GeV/c. His term of office covered the full construction phase until the installation in the experiment, which successfully came into operation in September 2006. HMPID is the largest CsI Ring Imaging Cherenkov detector (RICH) so far built in the world. The CsI photocathode development carried out under his responsibility paved the way for the approval and construction of other large CsI RICH devices, such as those for the COMPASS and TJNAF-Hall A experiments.

In 2000, he joined the HERMES experiment at HERA-DESY, designed to study, through deep inelastic scatterings, the spin structure of the proton (or neutron). In HERMES, he drove the design of the first aerogel radiator RICH detector ever built in the world and, for related activities, he was the recipient of a grant (RII-CT-2004-506078-JRA9) from EC-FP6 call.

Fifteen years ago, he conveyed his interest towards the medical imaging by joining the AXPET collaboration at CERN for developing an R&D program focused on a novel geometrical concept of a Positron Emission Tomography (PET) featuring a parallax-free 3D reconstruction of the positron source distribution with high spatial and energy resolution over the complete Field of View. He chaired the Institute Board of the AXPET project until 2012.

As director at the INFN Unit of Bari, he gained additional managerial experience and established many international contacts. The Bari Unit of INFN supports research in nuclear, particle and astroparticle physics, with about 70 staff (researchers, administrators, engineers, technicians) and about 130 associates (mainly university professors).

As member of the Executive Board of INFN, he has overseen the INFN activities in the field of Nuclear Physics and represented the Italian Ministry of Education and Research (MIUR) in the European Spallation Source (ESS) ERIC Council and in the F4E Governing Board.

As Vice President of INFN, he promoted INFN involvement into world-class research facilities, looking forward to high quality scientific achievements and the most inspiring and beneficial prospect into the future for science and technology.

Conscious of the importance of education and communication, he has been particularly attentive to the training of young people. His achievements also include the development of postgraduate education in detector physics and innovative technologies and several successful industrial collaborations with hi-tech commercial partners. Moreover, he has launched a successful series of lectures and hands-on laboratory sessions on innovative nuclear instrumentations devoted to INFN researchers and engineers.

He is author and co-author of about 350 papers published in international journals with peer-reviewing and he is reviewer of scientific journals, editor of EPJ Plus and Nuclear Physics News and member of International Scientific Advisory Committees and Organizing Committees in several Conferences and Workshops on Nuclear Physics instrumentation (see the list below).

INSTITUTIONAL RESPONSIBILITIES

2022 – Today	Chair of the EGS Consortium
2020 – Today	Member of the Italian delegation in the ELI-ERIC General Assembly
2019 – Today	Chair of the Council of the European Consortium TIARA
2018 – Today	Member of the EPS Executive Committee
2011 – Today	Member of ICFA panel on Instrumentation
2009 – Today	Member of NuPECC
2016 – 2021	Associate Member / IUPAP C-11
2016 – 2020	Italian delegate of Ministry of Research and Education, ERIC-ESS Council/Sweden
2015 – 2020	Italian delegate of Ministry of Research and Education, Governing Board of Fusion for Energy/ F4E/ Spain
2014 – 2021	Appointed member / IUPAP C-12
2012– 2020	Funding Agency representative for INFN, LHC Review Resource Board (RRB) /CERN /Switzerland
2008 – 2020	Representative of INFN, Plenary ECFA/ CERN/ Switzerland
2014 – 2016	Chair of the Accelerator Collaboration Board, European Spallation Source,

ERIC-ESS/Sweden
 2012 – 2015 Italian Delegate of Ministry of research and Education, Steering Committee of the European Spallation Source Project (ESS-AB) / Sweden
 2010 – 2012 Chair of the Institute Board of the AXPET project / CERN
 2000 – 2006 Project leader of HMPID detector / ALICE experiment at the LHC/ CERN
 1998 – 2000 Deputy Spokesperson of ALICE Experiment / the LHC/ CERN

COMMISSIONS OF TRUST

2013 – 2018 Editor in Chief, EPJ Plus / SPRINGER/ Germany
 2019 – Today Managing Editor, EPJ Plus / SPRINGER/ Germany
 2013 Evaluator, ERC Consolidator projects/ EC
 2012 – Today Deputy Chair, ECE (Expert Committee for the Experiments)/ FAIR/ Germany
 2012 – 2016 Member of CST (Scientific-Technical Committee), IPN Orsay/ CNRS/ France
 2012 – Today Editorial Board, NPN (Nuclear Physics News)/ NuPECC
 2012 Evaluator of scientific projects/ FCT/ Portugal
 2011 Evaluator of scientific projects/ STFC/ UK
 2009 Evaluator of scientific projects/ Israel Science Foundation/ Israel

FELLOWSHIPS AND AWARDS

2015 Elected member of the Academia Europaea, London/United Kingdom

JOURNAL REVIEWER

2000 – IEEE - Transaction in Nuclear Science (TNS)
 1996 – "Nuclear Instrument and Methods in Physics Research, Section A" by North-Holland.

MEMBERSHIPS OF SCIENTIFIC SOCIETIES

1981 – Member, Italian Society of Physics, Bologna / Italy
 2015 – Member of "Academia Europaea" (AE)
 2018 – Member of the European Society of Physics

BOOK and MONOGRAPH AUTHORSHIP

Book title: Imaging gaseous detectors and their applications,
 Publisher: Wiley-VCH; ISBN-10: 3527408983
 Authors: Eugenio Nappi and Vladimir Peskov;

Monographs:

Ring Imaging Cherenkov Detectors: The state of the art and perspectives,
 Publisher: LA RIVISTA DEL NUOVO CIMENTO Vol. 28, N. 8-9 2005
 Authors: Eugenio Nappi and Jacques Seguinot.

Strangeness in hot and dense nuclear matter

Publisher: LA RIVISTA DEL NUOVO CIMENTO Vol. 32, N. 6 2009
 Authors: Eugenio Nappi.

EDITORIAL ACTIVITIES

- Proceedings of the INTERNATIONAL SCHOOL OF PHYSICS "ENRICO FERMI"
 Course CLXXVIII: From the Big Bang to the Nucleosynthesis" 19-24 July 2010,
 published in 2011 by IOS Press and Societa' Italiana di Fisica, ISSN 0074-784X

- Proceedings "Experimental Techniques of Cherenkov Light Imaging", (ISSN 0168-9002), published by North-Holland in 1994, 2011 (RICH2010), 2014 (RICH2013), 2017 (RICH2016) e 2020 (RICH2018).
- Technical Design Report CERN/LHCC 98-19 "Detector for High Momentum PID", ISBN 92-9083-134-0
- Innovative detectors for supercolliders, ISBN 981-238-745-5, published by World Scientific.

EC GRANTS AND FUNDINGS

- 2005 Principal Investigator of INTAS, CERN Call 2005 # 103, Project 7544.
- 2004 Leader of Research Activity JRA9 for the grant RII-CT-2004-506078 ("HadronPhysics")
- 2000 Principal Investigator of INTAS, CERN Call 2000 #350

Bari, January 3, 2023

CURRICULUM

Donato Maria Creanza

Titoli di Studio ed Accademici

1987: Laurea in Fisica presso l'Università degli Studi di Bari, 110/110 e lode.

1992: Conseguimento del titolo di Dottore di Ricerca in Fisica – Università degli Studi di Bari; Tesi di Dottorato: "Misura della polarizzazione dei mesoni vettori D^* nell'esperimento ALEPH".

1993: Nomina a Ricercatore universitario presso la I Facoltà di Ingegneria del Politecnico di Bari.

1996: Conferma nel ruolo di Ricercatore universitario.

1999: Vincitore del concorso pubblico bandito con DD. MM. 22/12/95 e 29/2/96, gruppo B01A: "Fisica Generale".

1999: Nomina a Professore Associato nel settore scientifico-disciplinare B01A – Fisica Generale presso la I Facoltà di Ingegneria del Politecnico di Bari.

2003: Conferma nel ruolo di Professore Associato.

In possesso dell'Abilitazione Scientifica Nazionale alle funzioni di professore universitario di Prima Fascia nel settore concorsuale 02/A1 - Fisica Sperimentale delle Interazioni Fondamentali.

Incarichi Istituzionali

2001-2003: Membro della Commissione Scientifica n. 3 - Scienze di base, affini ed integrative - del Politecnico di Bari.

Membro del Presidio di Qualità di Ateneo del Politecnico di Bari dal 2018 a oggi.

Membro della Giunta del Dipartimento Interateneo di Fisica dal 2020 a oggi.

Membro del Collaboration Board di RD50 dal 15-02-2002 a oggi.

Membro del CMS Tracker Institution Board dal 01-01-2008 al 31-12-2011 e dal 01-01-2020 a oggi.

Membro del CMS Muon Institution Board e del CMS RPC Institution Board dal 01-01-2008 al 31-12-2011. Membro del CMS Collaboration Board dal 01-01-2008 al 31-12-2011 e dal 01-01-2021 a oggi.

Comitati Scientifici

Membro del Comitato Organizzatore di "QCD@Work 2007 International Workshop on Quantum Chromodynamics: Theory and Experiment" - <http://www.ba.infn.it/~wgcd/2007/> dal 16-06-2007 al 20-06-2007.

Membro del Comitato Organizzatore di "QCD@Work 2010 International Workshop on Quantum Chromodynamics: Theory and Experiment" <https://agenda.infn.it/event/10472/> dal 20-06-2010 al 23-06-2010.

Membro del Comitato Organizzatore di "20th RD50 Workshop on Radiation hard semiconductor devices for very high luminosity colliders" - <http://indico.cern.ch/event/175330/> dal 30-05-2012 al 01-06-2012.

Membro del Comitato Organizzatore di "QCD@Work 2012 International Workshop on Quantum Chromodynamics: Theory and Experiment" <https://agenda.infn.it/event/4570/> dal 18-06-2012 al 21-06-2012

Membro del Comitato Organizzatore di "QCD@Work 2014 International Workshop on Quantum Chromodynamics Theory and Experiment" <https://agenda.infn.it/event/6998/> dal 16-06-2014 al 19-06-2014.

Membro del Comitato Organizzatore di "QCD@Work 2016 International Workshop on Quantum Chromodynamics Theory and Experiment" <https://agenda.infn.it/event/9699/> dal 27-06-2016 al 30-06-2016

Membro del Comitato Organizzatore di "QCD@Work 2018 International Workshop on Quantum Chromodynamics Theory and Experiment" <http://www.ba.infn.it/wgcd/2018> dal 25-06-2018 al 28-06-2018.

Membro del Comitato Organizzatore di "QCD@Work 2022 International Workshop on Quantum Chromodynamics Theory and Experiment" <https://agenda.infn.it/event/20170/> dal 27-06-2022 al 30-06-2022.

Comitati Editoriali

Co-editore di "QCD@Work 2007 International Workshop on Quantum Chromodynamics: Theory and Experiment"
- AIP Conference proceedings 964 (2007) - ISBN 978-0-7354-0480-9 dal 16-06-2007 al 31-12-2007
Co-editore di "QCD@Work 2010 International Workshop on Quantum Chromodynamics: Theory and Experiment"
- AIP Conference proceedings 1317 (2010) - ISBN 978-0-7354-0872-2 dal 20-06-2010 al 31-12-2010
Co-editore di "QCD@Work 2012 International Workshop on Quantum Chromodynamics: Theory and Experiment"
- AIP Conference proceedings 1492 (2012) - ISBN 978-0-7354-1104-3 dal 18-06-2012 al 31-12-2012
Co-editore di "QCD@Work 2014 International Workshop on Quantum Chromodynamics Theory and Experiment"
- EPJ Web of Conferences 80 (2014) - ISBN 978-2-7598-1685-9 dal 16-06-2014 al 31-12-2014
Co-editore di "QCD@Work 2016 International Workshop on Quantum Chromodynamics Theory and Experiment"
- EPJ Web of Conferences 129 (2016) - ISBN 978-2-7598-9010-1 dal 27-06-2016 al 31-12-16
Co-editore di "QCD@Work 2018 International Workshop on Quantum Chromodynamics - Theory and Experiment"
- EPJ Web of Conferences 192 (2018) - ISBN: 978-2-7598-9061-3 dal 25-06-2018 al 31-12-2018.
Co-editore di "QCD@Work 2022 International Workshop on Quantum Chromodynamics - Theory and Experiment"
- EPJ Web of Conferences 270 (2022) - ISBN: 978-2-7598-9122-1 dal 27-06-2022 al 31-12-2022.

Revisore per: Nuclear Instruments and Methods in Physics Research, A – Elsevier.

Partecipazione e Coordinamento di Attività in Campo Scientifico

Svolge la sua attività di ricerca nel campo della fisica delle particelle elementari, all'interno della collaborazione internazionale CMS, esperimento in fase di presa dati presso il Large Hadron Collider del CERN. Segue, inoltre, gli studi sui danni da radiazione subiti dai rivelatori al silicio esposti ad intensi fasci di particelle, partecipando all'esperimento ed al progetto di Ricerca e Sviluppo RD50 del CERN. Negli anni precedenti ha fatto parte della collaborazione internazionale ALEPH, uno dei quattro esperimenti che hanno operato all'acceleratore LEP del CERN, ed ha partecipato all'esperimento SMART dell'INFN. E' impegnato in attività di Ricerca e Sviluppo su sensori al Silicio realizzati con tecnologie innovative, oltre che nella costruzione di moduli di rivelatori per l'upgrade del Tracciatore di CMS in vista della presa dati al futuro High Luminosity LHC.

E' stato tra i promotori, all'interno del centro di eccellenza TIRES (Tecnologie Innovative per la Rivelazione e l'Elaborazione del Segnale) dell'Università di Bari, di un progetto di ricerca sulla determinazione del flusso e dello spettro di fasci diagnostici e terapeutici con rivelatori a stato solido.

Membro Associato del Personale del CERN dal 01-01-1990 a oggi

Incarico di Ricerca presso l'Istituto Nazionale di Fisica Nucleare dal 01-11-1994 a oggi

Membro della Collaborazione Internazionale ALEPH dal 01-01-1989 al 01-01-2001

Membro della Collaborazione Internazionale CMS dal 01-01-1996 a oggi

Membro della Collaborazione Internazionale ROSE-RD48 (Research & Development On Silicon for future Experiments) dal 01-05-1996 al 31-12-2000

Membro della collaborazione internazionale RD50 (Radiation hard semiconductor devices for very high luminosity colliders) dal 15-02-2002 a oggi.

Membro dell'esperimento INFN SMART (Structures and Materials for Advanced Radiation hard Trackers) dal 01-01-2003 al 31-12-2006

Responsabile presso la Sezione INFN di Bari per le attività di R&D dedicate alla definizione dei sensori per l'upgrade del Tracciatore di CMS per HL-LHC dal 01-01-2014 a oggi.

Responsabile Scientifico per la Sezione INFN di Bari del progetto R&D CERN RD50 (Radiation hard semiconductor devices for very high luminosity colliders) dal 15-02-2002 a oggi.

Responsabile Scientifico per la Sezione INFN di Bari dell'esperimento SMART dal 01-01-2003 al 31-12-2006

Responsabile Scientifico Nazionale INFN dell'esperimento SMART dal 01-01-2005 al 31-12-2006.

Responsabile Scientifico per la Sezione INFN di Bari dell'esperimento CMS dal 01-01-2008 al 31-12-2011 e dal 01-01-2021 a oggi.

Coordinatore Nazionale dell'attività di *Outer Tracker Module Construction* per l'upgrade dell'esperimento CMS.

Co-responsabile del Workpackage "Detector Development" nell'ambito del progetto europeo FP7-People-2012-

IRSES_ International Research Staff Exchanged "Europe Egypt Network for Particle Physics" dal 01-01-2013 al 31-12-2016.

Seminari e Presentazioni ad Invito:

Dal 1993 ha svolto molteplici presentazioni di ricerca in convegni scientifici nazionali ed internazionali.

Pubblicazioni:

E' coautore di più di 1400 pubblicazioni su riviste scientifiche internazionali (ISBN).

Bari, 09/01/2023

Curriculum vitae STEFANIA BUFALINO

Present position: From 2018 I am Associate Professor (L. 240/10) at the Department of Applied Science and Technology (DISAT) of the Politecnico of Turin.

Publication Score

Co-author of 380 publications, with h-index: 70 (Scopus),
More than 12 thousand citations (Scopus).

Curriculum studiorum

- 2004 Master Degree in Physics, Catania University (110/110 cum laude)
- 2007 Ph.D. in Physics at the Department of Experimental Physics, Turin.
- 2008-2010 Post-doc research fellow at the Department of Experimental Physics, Turin.
- 2010-2014 Post-doc research fellow at INFN, Turin. From July 2012 based at CERN with an Associate position at the CERN Physics department
- July 2014 - May 2015: Project Associate Position at CERN
- July 2012 - May 2015 I was based at CERN as a member of the CERN Physics Department
- June 2015 (for 6 months): Marie Curie Research Fellow at the Physics Department of the Turin University
- December 2015 (three years position): Researcher (art. 24 c.3-b L. 240/10) at the Department of Applied Science and Technology of the Politecnico of Turin

Grant

- June 2015: I obtained a Marie Curie Research Fellow at the Physics Department of the Turin University (agreement "Marie Skłodowska-Curie No 609402-2020 researchers: TraintoMove (T2M)"). Title of the project: "Design of high-performance vertexing and tracking algorithms optimized for large data throughput."

Recent responsibilities:

- Sep. 2020-present: convener of the ALICE 3 Timing Layers Working Group. The group, composed by ~30 members from 6 institutions, is dedicated to the R&D of silicon sensors with excellent timing resolution to build the ALICE 3 timing layers. ALICE 3 is a new experiment which has been proposed to run in 2030 at the LHC.
- 2017- 2019: convener of the Light Flavour Physics Working Group (PWG-LF) of the ALICE experiment at the LHC. The PWG-LF group is composed by ~120 members from 20 institutions.
- 2017-2019: member of the Physics Board of the ALICE experiment

Titles, awards and selected past responsibilities

- 2013-2017: Convener of the Physics Analysis Group "Nuclei and Exotica" of the ALICE experiment. The group is composed by ~50 members from 10 institutions and it is dedicated to the study of anti-nuclei, anti-hypernuclei and exotic baryon states.
- 2015-2016: Shift leader System Run Coordinator
- 2014 -2019: Deputy System Run Coordinator of the Silicon Drift Detector (SDD) of the ALICE Inner Tracking System (ITS).
- 2013 – 2015: System Run Coordinator of the ALICE ITS (~20 people to coordinate).
- November 2012: Period Run Coordinator of the ALICE experiment (~ 80 people to coordinate).
- 2012-2014: expert on call in charge of the maintenance and operations of the ALICE SDD.
- 2008 Special Prize "Antonio Garbasso" of the Italian Physics Society (SIF) given to young researchers for the scientific results achieved after their Master Degree

RESEARCH ACTIVITY

Synopsis of activities

I have been working in the field of experimental nuclear and particle physics since my Ph.D.; specifically, my work focuses on data analysis and Monte-Carlo simulation and for a large fraction of my research work I have been very active in detectors commissioning and operations. I have been a member of three collaborations, based in Europe and Japan, where I reached leadership positions thus coordinating several international research groups dedicated to data analysis, detectors operation and R&D.

-FINUDA and SKS Collaboration

During the Ph.D. period and until 2010 I carried out my research activity in the FINUDA experiment installed in one of the two interaction regions of the DANE (e+e-) collider at the Laboratori Nazionali di Frascati. The experiment was devoted to the search of the Lambda hypernuclei. My Ph.D. thesis was focused on the study of the hypernuclei production and decay. I was responsible for the analysis of the weak decay of Lambda hypernuclei. I am the corresponding author of all the FINUDA publications regarding the hypernuclear Non Mesonic Weak Decay. From 2008 to 2011 I was also a member of the SKS (Superconducting Kaon Spectrometer) Collaboration and I participated in two experiments dedicated to hypernuclear physics and carried out at the Japan Proton Accelerator Research Complex (J-PARC) in Tokai. I spent several months at J-PARC and at the Tohoku University (Sendai) for the test of the HyperPure Germanium (HPGe) detectors. I was also involved in the commissioning of the drift chambers installed along the beam line to be used in both experiments

- ALICE experiment

In 2010 I joined the ALICE Collaboration and since the beginning the focus of my research activity has been on data analysis and Monte Carlo simulation for the study of anti-nuclei and hypernuclei production at the LHC. I served on committees to prepare ALICE publications (3 paper committees), to review paper drafts (3 internal review committees) on the aforementioned subjects and to prepare internal notes describing the analyses results before their presentation at conferences and their publication (5 internal analysis notes).

I was also deeply involved in the study of the performance of the new ALICE Inner Tracking System (ITS2, now in the commissioning phase) in terms of particle identification for different physics channels. The results I achieved are shown in dedicated chapters of the ITS Conceptual Design Report (CERN-LHCC-2012-013 (LHCC-P-005)) and the ITS Technical Design Report (J. Phys. G 41 (2014) 087002). Thanks to the experience gained in the development of vertexing and tracking code for large data throughput, in 2015 I obtained a Marie Curie fellowship for the design and optimization of vertexing and tracking algorithms on parallel architectures like the GPUs. When I was based at CERN (2012-2015) I devoted a sizable part of my work to the commissioning and operations of the ITS and of the ALICE experiment. I served as on call expert and deputy System Run Coordinator (SRC) of the SDD, as SRC of the ITS, and then as Period Run Coordinator of the whole experiment.

At the beginning of 2019 I participated in the preparation of the expression of interest (available at <https://arxiv.org/abs/1902.01211>) for a next-generation heavy-ion experiment at the LHC, called ALICE 3. A key element of the proposed experiment is a Time Of Flight detector (timing layers) made of silicon sensors with an excellent timing resolution (~20 ps) to separate electrons from hadrons at low momentum. This year, new working groups have been created to handle different aspects of the project and since September 2020 I am one of the three conveners of the timing layers working group.

Presentation at conferences

I delivered more than 40 talks, and these include 11 invited contributions and 6 plenary invited talks. Among these:

- Plenary talk at the XI International Conference on Hypernuclear and Strange Particle Physics (HYP2012, October 2012-Barcelona, Spain).
- Invited talk at The 21th Anniversary International Workshop on Vertex Detectors (VERTEX2012,

September 2012, Jeju-Korea).

- Invited talk at the Conference on Advanced Studies Institute Symmetries and Spin” (Prague, July 2013).
- Talk at the 14th ICATPP Conference on Astroparticle, Particle, Space Physics, Detectors for physics Application (Como, Italy -September 2013).
- Plenary talk at the “Fourth annual Conference on Large Hadron Collider Physics”, (LHCP 2016 in Sweden)
- Plenary talk at the XXVIIth International Conference on Ultra-relativistic Nucleus-Nucleus Collisions (QM2018, Venice, Italy - May 2018).
- Plenary talk at the 22nd Particles and Nuclei International Conference (PANIC 2021, Portugal (online))

Training of young researchers

- supervisor of 7 Ph.D. students in Physics at the Politecnico of Turin
 - supervisor of 1 Ph.D. student in electrical, electronics and communications engineering at the Politecnico of Turin
 - co-supervisor of 4 Ph.D. students in Physics at the Turin University
 - supervisor of 2 Bachelor students in computing engineering and 1 bachelor student in Electronics engineering at the Politecnico of Turin
 - co-supervisor of about 10 Bachelor and Master students in Physics at the Physics Department of the Turin University
- Additionally, during the period I was based at CERN I supervised, for about one year, 2 PhD students and one post-doc fellow.

Workshop/conferences organization

- Organizer of 3 international "EMMI Workshop on anti-matter, hyper-matter and exotica production at the LHC", supported by the ExtreMe Matter Institute (EMMI, Darmstadt, Germany) and held at CERN in 2015, in Turin in 2017 and in Wraclow in 2019. For each workshop I obtained a funding of about 18 kEU.
- October 2017: I was one of the 3 conveners of the "Soft observables physics" session of the Workshop "Secondo incontro sulla fisica con ioni pesanti a LHC" held at the Turin University
- member of the Local Organizing Committee (LOC) of the 2018 European Nuclear Physics Conference (Bologna, Italy)
- member of the LOC of the 27th International Conference on Ultrarelativistic Nucleus-Nucleus Collisions (2018 in Venice, Italy).
- I was one of the 3 organizers of the "Workshop on Heavy ion physics" at the 8th International Conference on New Frontiers in Physics" (2019, Crete).
- November 2021: I am one of the 3 conveners of the "Global observables physics" session of the Workshop "Terzo incontro sulla fisica con ioni pesanti a LHC" which will be held at the Padua University.

Activity as referee

Reviewer of the following international peer-reviewed journals:

- Nature Physics
- Advances in High Energy Physics
- Nuclear Physics A
- The European Physical Journal A
- The European Physical Journal Plus

Other activities

- 2018 to present: member of the Faculty Board of the Doctoral School for the PhD programme in Physics at the Politecnico of Turin.
- 2018 to present: member of the Focus Group of the Politecnico of Turin for the implementation of the principles of the European Charter for Researchers and the Code of Conduct for the Recruitment of Researchers.

- 2016 to present: organizer of the annual visit at CERN dedicated to the students of the Young Talent project of the Politecnico of Turin
- 2012-2016 Expert guide for the visit at the ALICE experiment
- 2011 and 2013: International Masterclasses at CERN

Torino, 19/12/2022

Stefania Bufalino