

Curriculum vitae Pasquale Migliozi

PERSONAL INFORMATION

Family name: Migliozi

First name: Pasquale

Researcher unique identifier(s): <https://orcid.org/0000-0001-5497-3594>

Date of birth: 15 June 1969

Nationality: Italian

• EDUCATION

1997 PhD at Dipartimento di Fisica dell'Università di Napoli "Federico II", Napoli, Italy

1993 Master at Dipartimento di Fisica dell'Università di Napoli "Federico II", Napoli, Italy

• CURRENT POSITION

2021– Dirigente di Ricerca INFN presso Sezione di Napoli

• PREVIOUS POSITIONS

2007 – 2020 Primo Ricercatore INFN presso Sezione di Napoli

1999 – 2006 Ricercatore INFN presso Sezione di Napoli

• FELLOWSHIPS AND AWARDS

2020 – 2024 Possessing the required qualifications for the Bando VQR 2020-2024 – Pre-avviso partecipazione GEV", come da Delibera n° 53 del 12 marzo 2024.

2018 – National Scientific Qualification as Full Professor for Settore Concorsuale 02/A1 Fisica Sperimentale delle Interazioni Fondamentali (Experimental Physics and Fundamental Interactions)

2015 – 2019 Possessing the required qualifications for the Bando VQR 2015-2019 – Pre-avviso partecipazione GEV", come da Delibera n° 135 del 23 luglio 2019.

1997 – 2000 Fellowship at the CERN Experimental Physics (EP) Division.

• SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

1999 – Number of Postdocs larger than 15

1999 – Number of PhD about 10

1999 – Number of Graduated Students about 10

• TEACHING ACTIVITIES

2000 – 2001 Neutrino Physics Course for the XVI Ciclo di Dottorato at Dipartimento di Fisica dell'Università di Napoli "Federico II", Napoli, Italy

2002 – 2003 Neutrino Physics Course for the XVIII Ciclo di Dottorato at Dipartimento di Fisica dell'Università di Napoli "Federico II", Napoli, Italy

- 2018 – 2021 Professor for the Course Astrofisica Nucleare e Particellare al 3° year of the Corso di Laurea Magistrale in Fisica presso Dipartimento di Fisica "E. R. Caianello" dell'Università di Salerno
- 2021 – 2026 Professor for the Course Astrofisica Nucleare e Particellare al 3° year of the Corso di Laurea Specialistica in Fisica, presso Dipartimento Matematica e Fisica dell'Università degli Studi della Campania "L. Vanvitelli"

- **ORGANISATION OF SCIENTIFIC MEETINGS**

- 2005 Member of the Local Organising Committee for the "5th International School on Neutrino Factories and Superbeams, Capri, 14-20 June 2005
- 2005 Member of the Local Organising Committee for the "7th International Workshop on Neutrino Factories and Superbeams", Frascati, 21-26 June 2005
- 2007 Co-convener of the Session "Neutrini e Fisica Astroparticellare" degli Incontri di Fisica delle Alte Energie nel 2007 (IFAE07), Napoli, 11-13 April 2007
- 2010 Co-convener of the Session "Oscillations at high energies" del Neutrino Oscillation Workshop 2010 (NOW2010), Otranto, 4-11 September 2010
- 2015 Co-convener of the Session "Detection technique: photon" del VLVnT-2015: Very Large Volume Neutrino Telescope, Roma, 14-16 September 2015
- 2017 Co-chair of the Workshop "Perspectives in Astroparticle physics from High Energy Neutrinos (PAHEN)", Napoli, 25 - 26 September 2017
- 2017 Member of the Scientific Advisory Board del Workshop "Perspectives in Astroparticle physics from High Energy Neutrinos (PAHEN)", Napoli, 25 - 26 September 2017
- 2018 Member of the Scientific Committee della "NIC-2018 Satellite School on experimental and theoretical methods in Nuclear Astrophysics with applications", Caserta, 18 – 22 June 2018
- 2018 Co-chair of the Workshop "New and Enhanced Photosensor Technologies for Underground/underwater Neutrino Experiments (NEPTUNE)", Napoli, 18 - 21 July 2018
- 2018 Members of the Scientific Advisory Board del Workshop "New and Enhanced Photosensor Technologies for Underground/underwater Neutrino Experiments (NEPTUNE)", Napoli, 18 - 21 July 2018
- 2019 Member of the Scientific Advisory Board del Workshop "Perspectives in Astroparticle physics from High Energy Neutrinos (PAHEN)", Berlin, 25 - 27 September 2019

- **INSTITUTIONAL RESPONSIBILITIES**

- 1997 – 2000 Member of the working group that designed the CERN to Gran Sasso (CNGS) neutrino beam
- 2001 – 2009 Physics Coordinator of the OPERA experiment
- 2005 – 2011 Group leader of OPERA at the Sezione INFN-Napoli
- 2005 – 2011 Member of the OPERA Collaboration Institution Board
- 2008 – 2012 Deputy Spokesperson of the OPERA experiment
- 2006 Member of the Working Group "High Intensity Frontier" established by INFN Commissione 1

- 2012 – 2017 Responsible of the Outreach activities for the Sezione di Napoli dell'INFN
- 2012 – Group leader of KM3NeT at the Sezione INFN-Napoli
- 2012 - Member of the Antares Collaboration Institution Board
- 2012 - Member of the KM3NeT Collaboration Institution Board
- 2015 - Member of the Doctoral Board in Matematica, Fisica e applicazioni per l'Ingegneria dell'Università degli Studi della Campania "L. Vanvitelli"
- 2015 Scientific Responsible for the Expo "Odissea nello Spazio" at Futuro Remoto - Città della Scienza - Napoli
- 2017 Contact person for the project "MADE IN SCIENCE" in the framework CALL MSCA-NIGHT
- 2020 – 2023 Contact person for the VQR 2014-2019 at Sezione di Napoli dell'INFN
- 2019 – 2023 Member of the External Funds Group (Gruppo Fondi Esterni) for the Sezione di Napoli dell'INFN
- 2019 - Member of the Management Committee (Comitato di Gestione) of the PIR-PACK (PIR01_00021)
- 2019 - Head of the Napoli Operations Unit for the del PIR-PACK (PIR01_00021) Ricerca e Innovazione 2014-2020" Avviso D.D. n. 424 del 28/02/2018
- 2019 - Principal Investigator for the CIR-PACK (CIR01_00021) Avviso MIUR D.D. 2595/2019 - per progetti di rafforzamento del capitale umano delle Infrastrutture di Ricerca, in sinergia con gli interventi già operati con D.D. n 424 del 28 febbraio 2018 in attuazione del Piano Stralcio "Ricerca e Innovazione 2015-2017" - "PNIR – Programma Nazionale Infrastrutture di Ricerca"
- 2019 - Founder and Scientific Coordinator of the CAPACITY (Campania AstroPartiCle InfrastrucTure facilitY) Laboratory, a research infrastructure jointly developed and managed by INFN and the Department of Mathematics and Physics of the University of Campania "Luigi Vanvitelli".
- 2021 - Head of the Napoli Operations Unit for the Project KM3NeT4RR PIANO NAZIONALE RIPRESA E RESILIENZA (PNRR) MISSIONE 4 - COMPONENTE 2 INVESTIMENTO 3.1
- 2025 - Principal Investigator for the NAUTILUS (CIR01_00021) Avviso MIUR D.D. 310/2025 - per Programma Nazionale Ricerca, Innovazione e Competitività per la transizione verde e digitale 2021-2027 Azione 1.1.1 – Potenziamento delle Infrastrutture di Ricerca (IR) pubbliche che operano in ambito S3 finalizzato all'avanzamento tecnologico delle imprese
- 2025 - National Coordinator for the KM3NeT experiment

- **REVIEWING ACTIVITIES**

- 2007 Member of the PhD committee that examined the thesis entitled 'CP violation in future neutrino oscillation facilities' submitted by Luis Enrique Fernandez Martinez - Universidad Autonoma de Madrid, Madrid, Spain
- 2009 Member of the Committee for Suitability Judgments for the possible establishment of fixed-term employment relationships for level III researcher and technologist personnel. INFN Call no. 13153/2009 - Researcher - experimental physics

- 2011 Member of the PhD committee that examined the thesis entitled 'The quest for neutrino interactions at future oscillation facilities' submitted by Pilar Coloma Escribano - Universidad Autonoma de Madrid, Madrid, Spain
- 2011 Member of the Committee for the admission to the XXVI Cycle of the PhD in Fundamental and Applied Physics - Department of Physics, University of Naples 'Federico II', Naples, Italy
- 2017 Member of the PhD committee that examined the thesis entitled 'On the origin of high energy neutrinos detected by IceCube' submitted by Andrea Palladino - Gran Sasso Science Institute, L'Aquila, Italy
- 2020 Member of the Committee for the admission to the XXXVI Cycle of the PhD in Fundamental and Applied Physics - Department of Physics, University of Naples 'Federico II', Naples, Italy
- 2020 Chairman of the committee for the INFN call No. 22258/2020 for the award of no. 1 technological training scholarship for mechanical engineering graduates
- 2020 Chairman of the commission for the INFN call for applications N.22764/2020 for the award of no. 1 training scholarship for management graduates at the INFN Section of Naples
- 2020 Member of the board for the selection of candidates for research grants to be awarded for projects CIR01_00021- PACK CUP I82F20000330001 and CIR01_00011-IBISCO CUP I22F20000060001 at the Napoli Unit
- 2022 Member of the mPMT review Committee for the Hyper-Kamiokande Collaboration
- 2023 Member of the examining board for selection procedure GE/T3/25104/PNRR for the recruitment of 24 personnel with a fixed-term contract of employment to be classified as Technologist level III
- 2023 Member of the LED-mPMT review Committee for the Hyper-Kamiokande Collaboration
- 2000 - Referees of articles on neutrino oscillation physics and new experimental techniques for international journals: New Journal of Physics, Journal of Physics G, IEEE Transactions on Nuclear Science, Journal of Instrumentation, Nuclear Physics B, American Astronomical Society
- 2023 Member of REPRISE (register of scientific experts at the MUR)

- **MEMBERSHIPS OF SCIENTIFIC SOCIETIES**

- 2015 – 2018 Member of the Scientific Council of the Groupement de Recherche (GDR) established by CEA and CNRS

- **PATENT**

- 2017 Truly random number generator - Reference: P2868IT00

- **PUBLICATION SUMMARY**

More than 220 publications on peer-reviewed journals; H-Index 63