

Alessandro De Angelis

Short CV (December 14, 2022)

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Place and date of birth Cencenighe Agordino (Belluno, Italy), 16 August 1959.
Nationality Italian and Argentinian.
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Job/Memberships

Scientific Counsellor at the Permanent Delegation of Italy to the International Organisations in Paris. Delegate for OECD Global Science, Digital Transition and Artificial Intelligence, Nuclear Energy, Weights and Measures, Global Space Forum. Full Professor in Experimental Physics at the University of Padova and at IST Lisboa (general physics; astroparticle physics/high energy astrophysics).

Principal Investigator of astrophysical projects from ground (formerly Project Scientist of the MAGIC telescopes at La Palma, Canary Islands) and on satellites (ASTROGAM). Member of Gruppo2003, National Institute for Nuclear Physics, National Institute for Astrophysics, Italian Physical Society, Italian Society of Historians of Physics and Astronomy, Society for the History of Science, Red Cientificos Argentinos en Italia, LIP Portugal, International Astronomical Union. Socio of the Accademia Galileiana.

Research Interests

Fundamental physics. From 1983 to 1999, physics with particle accelerators; from 1999 to today, high energy astrophysics, in particular with cosmic gamma rays.

Previous Appointments (since 1993)

May 2021 Visiting Professor, GSSI L'Aquila.
November 2019 Visiting Professor, Institute of Space Science, University of Buenos Aires.
Oct 2014 - Sep 2017 Director of Research at Istituto Nazionale di Fisica Nucleare (INFN), Padova.
II Semester 2011/12 Visiting Professor at the University of Tokyo.
Sep 2010 - Jun 2011 Guest Researcher at Max-Planck Institute for Physics (Werner Heisenberg), Munich.
II Semester 2001/02 Visiting professor, University of Paris VI.
1993 - 1999 Associate (until 1995) and then Staff Member at CERN, Geneva.
Other periods University of Udine, associate (until 2004) and then full professor (after 2004).

Coordination Experience (since 1993)

2022 Chief (with voting rights) of the Italian delegation in presence at the Conférence Générale des Poids et Mesures, Versailles.
2019 - Coordinator of the Italian Consortium of Universities designing within an international collaboration the Southern Wide-field Gamma-ray Observatory SWGO in the Andes.
2015 - 2023 Principal Investigator of the ASTROGAM Collaboration (400 scientists from 16 countries).
2021 Coordinator for the PhotoTrap project for innovative photosensors, INFN Padova.
2017 - 2019 Coordinator of the Mobility Exchanges in Space Science Italy-Argentina, MAECI.
2013 - 2018 INFN Responsible of the *Progetto premiale* TECHE.it, 1.3 MEUR (transfer of Silicon photosensor technologies from INFN to Italian industry; with FBK Trento, private partners).
2013-2016 Chair of the Collaboration Board of the MAGIC telescopes (La Palma, Canary Islands).
2010 - 2013 Coordinator of the PhD School in Mathematics and Physics, Universities of Udine/Trieste.
2006-2009; 2012 Project Scientist of MAGIC.
2012 - 2015 National Coordinator for INFN of the Cherenkov Telescope Array, CTA.
2005 - 2011 National Coordinator of MAGIC.
2005 - 2009 President of the Master in Computational Physics, Universities of Udine/Trieste/SISSA.
1995-1999 Member of the Executive Board of the DELPHI experiment at CERN (400 scientists).
1992-1994 Co-coordinator for the national Artificial Intelligence project of INFN.

2012, 2005, 2003, 1998 Responsible of the Udine University for financed *progetti di rilevante interesse nazionale* (PRIN) in experimental astrophysics and cross-disciplinary (1998: photodetectors for medical physics)

Studies

Classical high-school (Vicenza, 60/60). Graduated magna cum laude in Physics in Padova. Diploma of the Scuola Elettronica di Artiglieria, Roma (Lieutenant of the Italian army). Post-doctoral activity at CERN, Geneva.

Main Scientific Awards

- 2016 Highly Cited Researcher, Thomson-Reuters/Clarivate.
- 2011 Thomson-Reuters Award for belonging to the "top 1% researchers publishing in the field of Space Science over the [...] decade" 2002-2011.
- 2011 HEAD AAS Bruno Rossi Prize as a member of the GLAST/Fermi-LAT Team.
- 2008 NASA Group Achievement Award for the project and construction of the GLAST/Fermi Space Telescope.

Main Honors

- 2018 *Commendatore* dell'Ordine al Merito della Repubblica Italiana, *motu proprio* of the President of Republic.

Publications

- Books *Cosmic Rays*, by A. De Angelis, Springer Nature 2023.
- Galileo e la supernova del 1604*, by A. De Angelis, Castelvecchi 2022. ISBN 978-88-329-0950-0.
- I diciotto anni migliori della mia vita (Galileo a Padova)*, by A. De Angelis, Castelvecchi 2021, ISBN 978-88-329-0346-1. Portuguese Edition: *Galileu em Pádua*, Gradiva 2023, ISBN 978-989-785-192-6.
- Discorsi e dimostrazioni matematiche di Galileo Galilei per il lettore moderno*, by A. De Angelis, Codice 2021, ISBN 978-88-757-8930-5. English/International Edition: *Galileo's "Two New Sciences" for Modern Readers*, Springer Nature 2021, ISBN 978-30-307. French Edition: *Les Deux Sciences Nouvelles de Galilée : une lecture moderne*, EDP 2022, ISBN 978-2-7598-2667-4. With prefaces by Ugo Amaldi and Telmo Pievani.
- Particle and Astroparticle Physics: Problems and Solutions*, by A. De Angelis, M. Pimenta, R. Conceição, Springer Nature 2021, ISBN 978-30-307-3116-8.
- Introduction to Particle and Astroparticle Physics: Multimessenger Astronomy and its Particle Physics Foundations*, 2nd Edition, by A. De Angelis and M. Pimenta, Springer Nature 2018 (760 pp.), ISBN 978-33-197-8181-5, with a preface by Francis Halzen.
- L'enigma dei raggi cosmici*, by A. De Angelis, Springer 2012 (150 pp.), ISBN 978-88-470-2047-4, with a preface by Margherita Hack.
- Several books of Conference Proceedings.
- Articles More than 700 refereed papers on journals including Science and Nature. Popularization articles in Le Scienze, Sterne und Weltraum, Nuovo Saggiatore, Coelum, L'Astronomia, Tuttoscienze La Stampa, CERN Courier. Participation to several TV and radio emissions, also on the RAI TV channels (TG Leonardo, Rai 3; Radio 3 Scienza).
Author for the Enciclopedia Italiana "Treccani".
- H-Index ISI Web of Science: 89; SLAC Inspire: 121 (published papers only). Citations: 66 000 (112 per published paper in average). <https://inspirehep.net/literature?sort=mostrecent&size=25&page=1&q=find%20a%20de%20angelis%2C%20a>
- Editorial Activity Editor for Springer-Nature in the sector of History and Philosophy of Physics.
Editor of *Annals of the Brazilian Academy of Sciences* (area of Physical Sciences).
Member of the Advisory Committee of *Galaxies*.
Referee for leading journals in physics and astronomy (PRL, PR, A&A, ApJ, JCAP, ...)

Languages

Italian (native); English (very good); French (very good); Portuguese (good); Spanish (good).