
SHORT CURRICULUM VITAE

Personal

Full Name: Pantelis S. Apostolopoulos
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Marital Status: Married with one children (18 years old).

Academic Degrees

- Ph.D. Department of Physics, University of Athens, Greece (**December 2003**).
- B.Sc. Department of Physics, University of Athens, Greece (**March 1995**).

Academic positions

- Tenured Assistant Professor at Ionian University, School of Environment, Department of Environment (**February 2016 -**)
- Adjunct Assistant Professor (6-months term appointment, full-time contract, renewed every semester) at the Technological Educational Institute of Mesolongi, Department of Telecommunication Systems and Networks (**March 2010 - June 2013**).
- Research Fellow (2-years term appointment, full-time contract) at the Departament de Física, Universitat de les Illes Balears, Palma de Mallorca, Spain (**February 2007-March 2009**).
- Post-doctoral researcher (1-year term appointment, full-time contract) at the Departament de Física, Universitat de les Illes Balears, Palma de Mallorca, Spain (**November 2005-October 2006**).

- Post-doctoral researcher (5-months term appointment, part-time contract) at the University of Athens, Department of Physics, Nuclear and Particle Physics Section (**March 2005-October 2005**).
- Post-doctoral researcher (2-year term appointment, full-time contract) at the University of Athens, Department of Physics, Nuclear and Particle Physics Section (**March 2004-February 2006**).
- Adjunct Assistant Professor (5-months term appointment) at the University of Central Greece, Faculty of Applied Sciences, Department of Computer Sciences (**September 2004-February 2005**).

Research

- Author (co-author) of 35 research articles (see e.g. <https://inspirehep.net/authors/1018224>). Some selected publications can be found below:
 1. “*Constructing a family of conformally flat scalar field models*”, **Pantelis S. Apostolopoulos**, 2023 Class. Quantum Grav. 40 (7) 07LT01 (preprint arXiv: 2211.01084 [gr-qc]).
 2. “*Self-similar cosmological solutions in symmetric teleparallel theory: Friedmann-Lemaître-Robertson-Walker spacetimes*”, N. Dimakis, M. Roumeliotis, A. Paliathanasis, **Pantelis S. Apostolopoulos** and T. Christodoulakis, 2023 Phys.Rev.D 106 12, 123516 (preprint arXiv: 2210.10295 [gr-qc]).
 3. “*Szekeres models: a covariant approach*”, **Pantelis S. Apostolopoulos**, 2017 Class. Quantum Grav. 34 095013 (preprint arXiv:1611.04569 [gr-qc]).
 4. “*Cosmology from an AdS-Schwarzschild black hole via holography*”, **Pantelis S. Apostolopoulos**, G. Siopsis and N. Tetradis, 2009 Phys. Rev. Lett. 102 151301 (preprint arXiv:0809.3505 [hep-th]).
 5. “*Late acceleration and $w = -1$ crossing in induced gravity*”, **Pantelis S. Apostolopoulos** and N. Tetradis, 2006 Phys. Rev. D74 064021 (preprint hep-th/0604014).
 6. “*Cosmological Acceleration and Gravitational Collapse*”, **Pantelis S. Apostolopoulos**, N. Brouzakis, N. Tetradis and E. Tzavara, 2006 J. Cosmol. Astropart. Phys.06 009 (preprint astro-ph/0603234).
 7. “*Mirage effects on the brane*”, **Pantelis S. Apostolopoulos**, N. Brouzakis, E. N. Saridakis and Nikolaos Tetradis, 2005 Phys. Rev. D72 044013 (preprint hep-th/0502115).
 8. “*The Generalized dark radiation and accelerated expansion in brane cosmology*”, **Pantelis S. Apostolopoulos** and N. Tetradis, 2006 Phys.Lett.B 633 409-414 (preprint hep-th/0509182).
 9. “*Equilibrium points of the tilted perfect fluid Bianchi VI_h state space*”, **Pantelis S. Apostolopoulos**, 2005 Gen.Rel.Grav. 37 937-952 (preprint gr-qc/0407040).

- **Director** of the “*Mathematical Physics and Computational Statistics*” Research Laboratory, Department of Environment, Ionian University.
- **Scientific Advisor** of the *Observatory Eudoxos* located at the mountain Enos in Kefalonia Island.
- **Supervisor** of Doctoral Theses
 1. Christos Tsipogiannis, “Geometric Symmetries and Dynamical Systems with applications to Physical Sciences” (**Principal Supervisor**, October 2020 - present).
 2. George Stavridis, “Development and Utilization of Modern Geoinformatics Methods, and Natural Disasters and Risk Management Systems for the Ionian Islands” (**Secondary Supervisor**, October 2020 - present).
 3. Chara Stoufi, “Modelling the presence of vitamin D to the human body using Computational and Statistical Tools” (**Principal Supervisor**, November 2022 - present).

Teaching Experience

I have taught various undergraduate and postgraduate courses through the years 2003-2022 including “Theory of Special and General Relativity”, “Electromagnetic Theory”, “Fluid Dynamics”, “Theory of Oscillations and Waves”, “Computational Physics”, “Statistics” etc.

Organization of Conferences

- Member of the Local Organizing and Advisory committee of the 23rd International Conference “*Workshop on the Standard Model and Beyond*”, will be held at Corfu Island, 27th of August - 7th of September 2023.
- Member of the local organizing committee of the 7th International Conference “*On the exact renormalisation group*”, held at Lefkada Island, 22-26 September 2014.
- Member of the local organizing committee of the 3rd International Conference “*On the exact renormalisation group*” held at Lefkada island, Greece, 18-22 September 2006.
- Member of the local organizing committee of the 29th International Conference “*Spanish Relativity Meeting*” held at Palma de Mallorca, Spain, 4-8 September 2006.

Invited talks and seminars

I have been invited to deliver numerous talks and research seminars in various conferences, workshops and Institutes. The latest invited talk is in Corfu at the “Workshop on the Standard Model and Beyond” (27th of August - 7th of September 2023).

Reviewer and Referee in scientific peer-reviewed journals

- Reviewer for the Mathematical Reviews a member of the American Mathematical Society.

Referee for the following journals:

- *Advances in High Energy Physics*
- *Astrophysics and Space Science*
- *Classical and Quantum Gravity*
- *General Relativity and Gravitation*
- *Journal of Mathematical Physics*
- *Journal of Physics A: Mathematical and General*
- *International Journal of Modern Physics A*
- *International Journal of Modern Physics D*
- *Physica D*
- *Physical Review D*
- *Physics Letters A*
- *Physics Letters B*
- *Physical Review Letters*
- *New Journal of Physics* (Institute of Physics)
- *Symmetries, Integrability and Geometry: Methods and Applications.*
- *Indian Journal of Physics*

Editor

- Co-editor of the volume proceedings of the 29th International Conference “*Spanish Relativity Meeting*” 2007 *Journal of Physics: Conference Series* Vol. **22**.
- Co-editor of the special issue, “*IR Quantum Gravity, Theoretical Challenges and Cosmological/Astrophysical Consequences*” (journal **Universe** 2023).

Scientific Reviewer of research proposals

- Scientific evaluator of submitted proposals for PostDoctoral research of the programme “*National Fund for Scientific and Technological Development*” (Fondo Nacional de Desarrollo Científico y Tecnológico, (Fondecyt)) which is funded from the “*National Commission for Scientific and Technological Research*” (Comisión Nacional de Investigación Científica y Tecnológica, (Conicyt)) of Chile.

Memberships

- Member of the *International Society on General Relativity and Gravitation*.
- Member of the *Spanish Society on Relativity and Gravitation* (Sociedad Española de Gravitación y Relatividad).
- Member of the *Hellenic Society on Relativity, Gravitation and Cosmology*.

Participation to Research Programs

I was an active member of the research group “Relativity and Gravitation” (Carlos Bona, Pantelis Apostolopoulos, Jaume Carot, Alicia Sintès) of the Departament de Física, Universitat de les Illes Balears and I was involved to the following research programs and networks:

- “*Detección de ondas gravitacionales, algoritmos de análisis de datos, agujeros negros binarios y materia oscura en Galaxias (Detection of gravitational waves, algorithm for analyzing the data for binary black holes and dark matter in Galaxies)*”.
Ministerio de Ciencia y Tecnología, Plan Nacional de Física de Partículas, grant FPA-2007-60220 (2007-2011).
- “*Red Temática de Relatividad y Gravitación (Thematic network in relativity and gravitation)*”.
Ministerio de Educación y Ciencia, Acción Complementaria del Plan Nacional de Investigación Científica, grant FIS2005-25317-E (2006-2007).
- “*Relativitat i Gravitació (Relativity and Gravity)*”.
Govern de les Illes Balears, grant PCTIB-2005-GC2-06 (2006-2008).
- “*Detección de ondas gravitacionales y materia oscura (Detection of gravitational waves and dark matter)*”.
Govern de les Illes Balears, (2007-2008).

Fellowships-Awards

- Postdoctoral fellowships funded by the Greek Ministry of Education and the European Union (2004-2006), contracts no 70-03-7310 and 70-03-7992.
- Postdoctoral fellowship funded by the Spanish Ministerio de Educación y Ciencia (2006), contract no SB2004-0110.
- Research fellowship “Juan de la Cierva” funded by the Spanish Ministerio de Educación y Ciencia (2007-2009).