

CURRICULUM VITAE

ANASTASIOS CHRISTOU PETKOU

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School of Physics, Aristotle University of Thessaloniki, 54124, Thessaloniki, Greece.*

Education

- Ph.D. University of Cambridge, UK (1995)
- Part III of the Mathematical Tripos (*Distinction*) University of Cambridge, UK (1991).
- First Degree in Physics *Ptychion (Excellent)* Aristotle University of Thessaloniki (1989).

Positions after the Ph.D.

- Professor, Department of Physics, Aristotle University of Thessaloniki, Feb. 2017 – to date.
- Associate Professor, of Physics, Aristotle University of Thessaloniki, Jan. 2013 – Feb. 2017.
- Assistant Professor, Department of Physics, University of Crete, Oct. 2004 – Dec. 2012.
- Postdoctoral positions: University of Milan-Bicocca, CERN, University of Milan, University of Kaiserslautern, University of Cyprus, University of Dortmund University.

Scholarships and awards

- *Alexander von Humboldt* Postdoctoral Research Fellowship, Greek National Scholarships Foundation I.K.Y. Postdoctoral Fellowship, DAAD Postdoctoral Fellowship.
- University of Cambridge J.T. Knight Prize, E.E.C. "Human Capital and Mobility" Fellowship: awarded for Ph.D. studies in the University of Cambridge, S.E.R.C. Nuclear Physics "Quota" Award: awarded for Ph.D. studies in the University of Cambridge, Sep. 1991 - Aug. 1993.

Visiting Positions

- Visiting CNRS Scientist, CPHT Ecole Polytechnique, Scientific Associate, Theoretical Physics Department, CERN, Visiting Professor, Normal University Beijing, China, Visiting Professor, University of Rome "Tor Vergata", Visiting Professor, Universita degli Studi di Milano.

Grants

- Hubert-Curien, France-Greece research collaboration grant: Jan. 2024 – Dec. 2025. 10.000 Euros.
- ELIDEK individual grant from the Greek Ministry of Research and Higher Education, Feb. 2020 – Feb. 2024: total value 200.000 Euros.
- "EXCELLENCE" grant from the Greek Ministry of Research and Higher Education, Feb. 2014 – Jul. 2015: total value: 165.000 Euros.
- CNRS-Visiting Professorship, CPHT, Ecole Polytechnique, France: Sep. – Noe. 2012.
- Marie-Curie IEF grant with F. Dolan, Dec. 2010: total value 150.000 Euros. (The grant did not start due to the tragic loss of F. Dolan.)
- Marie-Curie IEF grant, with A. Gustavsson, Dec. 2009: total value 130.000 Euros. (the grant did not start as A. Gustavsson dropped it after having found a permanent job in Korea.)
- *INTERREG III* grant for scientific collaboration between Greece and Cyprus, Jan. - Dec. 2008: total value 144.000 Euros.
- *Greece-France Scientific Collaboration* grant from the Greek Ministry of Higher Education, Apr. 2006 - Mar. 2008; total value 12.000 Euros.
- *PYTHAGORAS* personal grant from the Greek Secretariat of Research and Technology, Jan. 2005 - Dec. 2007: total value 50.000 Euros.

Recent publications (for all my publications use the link:

<https://inspirehep.net/literature?sort=mostrecent&size=25&page=1&q=f%20a%20petkou&ui-citation-summary=true&ui-exclude-self-citations=true>)

- 1) M. Karydas, S. Li, A. C. Petkou and M. Vilatte,
"Conformal Graphs as Twisted Partition Functions,"
Phys. Rev. Lett. 132 (2024) no.23, 231601, [arXiv:2312.00135 [hep-th]].
6 citations counted in INSPIRE as of 23 Jul 2024
- 2) A. C. Petkou, P. M. Petropoulos, D. R. Betancour and K. Siampos,
"Relativistic fluids, hydrodynamic frames and their Galilean versus Carrollian avatars," JHEP 09 (2022), 162, [arXiv:2205.09142 [hep-th]].
46 citations counted in INSPIRE as of 23 Jul 2024
- 3) A. C. Petkou,
"Thermal one-point functions and single-valued polylogarithms,"
Phys. Lett. B \textbf{820} (2021), 136467, [arXiv:2105.03530 [hep-th]].
8 citations counted in INSPIRE as of 23 Jul 2024
- 4) G. Kalamakis, R. G. Leigh and A. C. Petkou,
"Aspects of holography of Taub-NUT- AdS₄ spacetimes,"
Phys. Rev. D 103 (2021) no.12, 126012, [arXiv:2009.08022 [hep-th]].
15 citations counted in INSPIRE as of 22 Jul 2024
- 5) D. Iosifidis, A. C. Petkou and C. G. Tsagas,
"Torsion/non-metricity duality in f(R) gravity,"
Gen. Rel. Grav. \textbf{51} (2019) no.5, 66, [arXiv:1810.06602 [gr-qc]].
45 citations counted in INSPIRE as of 25 Jul 2024
- 6) D. Iosifidis, C. G. Tsagas and A. C. Petkou,
"Raychaudhuri equation in spacetimes with torsion and nonmetricity,"
Phys. Rev. D \textbf{98} (2018) no.10, 104037, [arXiv:1809.04992 [gr-qc]].
42 citations counted in INSPIRE as of 25 Jul 2024
- 7) A. C. Petkou and A. Stergiou,
"Dynamics of Finite-Temperature Conformal Field Theories from Operator Product Expansion Inversion Formulas,"
Phys. Rev. Lett. \textbf{121} (2018) no.7, 071602, [arXiv:1806.02340 [hep-th]].
20 citations counted in INSPIRE as of 23 Jul 2024
- 8) E. G. Filothodoros, A. C. Petkou and N. D. Vlachos,
"The fermion-boson map for large d ,"
Nucl. Phys. B \textbf{941} (2019), 195-224, [arXiv:1803.05950 [hep-th]].
12 citations counted in INSPIRE as of 21 Jun 2024
- 9) L. Ciambelli, C. Marteau, A. C. Petkou, P. M. Petropoulos and K. Siampos,
"Flat holography and Carrollian fluids,"
JHEP \textbf{07} (2018), 165, [arXiv:1802.06809 [hep-th]].
137 citations counted in INSPIRE as of 25 Jul 2024
- 10) L. Ciambelli, C. Marteau, A. C. Petkou, P. M. Petropoulos and K. Siampos,
"Covariant Galilean versus Carrollian hydrodynamics from relativistic fluids,"
Class. Quant. Grav. \textbf{35} (2018) no.16, 165001, [arXiv:1802.05286 [hep-th]].
105 citations counted in INSPIRE as of 19 Jul 2024