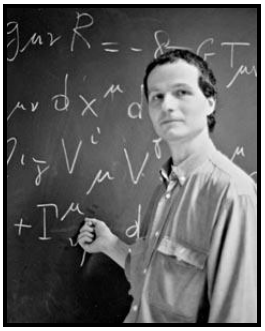
Curriculum Vitae



Dr. Paolo Di Sia, Ph.D.

University of Bozen-Bolzano
Piazzetta dell'Università 1
39031 Bruneck-Brunico (BK) - Italy
Univ. Phone: +39 0474 013 606 (642)
Fax: +39 0474 013 609

Mobile: +39 340 2668170

E-Mail: paolo.disia@yahoo.it pdisia@unibz.it

URL: http://www.unibz.it/en/organisation/StaffDetails.html?personid=16095&hstf=16095

http://paolodisia.weebly.com/index.html

Education

Scientific Preparation in High School (Liceo Scientifico)

(*2nd level*) **Degree** (**Laurea**) in Theoretical Physics at Padova University (Italy) with a thesis on *Effective Theories of Superstring* (*Supergravity*)

(*1st level*) **Degree** in Religious Science (thesis in Metaphysics on *Spacetime Categories*)

(*3rd level*) **Ph.D.**, Verona University, Faculty of Science, Applied Biotechnology Doctorate (Scientific Sector: *Theoretical Physics*); date of defence: May 10, 2011

Qualifications

Mathematics and **Physics Professor** (in High School) (13 years)

Contract Professor and/or **Teaching Assistant** of:

Analysis I, Analysis II, Physics I, Physics II, Algebra, Probability Theory, Statistics, Geometry, Mathematics for Economics, Mathematical Methods for Experimental Science, Didactics of Mathematics in:

a) Faculties of Science, Economics, Medicine and Surgery of Verona (Italy)

b) Faculty of Engineering of Pavia (Location: Mantova) (Italy)

c) Faculties of Computer Science, Science and Technology, Economics and Management, Education of Bolzano-Bozen, Brunico- Bruneck, Brixen-Bressanone (Italy)

Didactic Notes and Books

Author of Didactic Notes of Analysis I and II, Physics I and II, Probability Theory and Statistics

Reviewer of a Book of Mathematics for University (Faculty of Economics (Verona))

J. G. Brida, P. Di Sia: "**Manual of Precalculus Mathematics**", revised reprint, University Press, Free University of Bozen-Bolzano (to be appear at end of 2012)

P. Di Sia: "**Fondamenti di Matematica e Didattica I**", University Press, Free University of Bozen-Bolzano (in preparation)

Book´s Chapters

Author of 2 chapters for international scientific books

In preparation a chapter for "ENCYCLOPEDIA OF QUANTUM SCIENCE AND TECHNOLOGY"

Publications

Author of 62 articles (48 alone, the rest with co-workers) on national and international journals (at present) + 3 articles under revision

Selected papers:

1) G. Cavalleri, E. Tonni, C. Bernasconi and **P. Di Sia**
"**Quasi-half-stellar distribution for the filaments constituting a particle in a new field model**", Il Nuovo Cimento, Vol. 116 B, N. 12 (2001)

2) **P. Di Sia**
"**Sugli aspetti peculiari della Relatività Generale**"
("**On peculiar aspects of General Relativity**")
Periodico di Matematiche – Organo della Mathesis, Serie XI, Anno CXX, Vol. 2, N. 2 (2010)

3) **P. Di Sia**
"An Analytical Transport Model for Nanomaterials", Journal of Computational and Theoretical Nanoscience, Vol. 8, pp. 84-89 (2011)

4) **P. Di Sia**
"Extreme Physics and Informational/Computational Limits"
Journal of Physics: Conference Series **306** (2011) 012067 - doi:10.1088/1742-6596/306/1/012067

5) **P. Di Sia**
"An Analytical Transport Model for Nanomaterials: The Quantum Version", Journal of Computational and Theoretical Nanoscience, Vol. 9, pp. 31-34 (2012)

6) **P. Di Sia**
"Nature and Development of Econophysics: a short Report", Theoretical Economics Letters, 2, pp. 183-185 (2012) (doi:10.4236/tel.2012.22032)

Main Scientific Interests

Theoretical Physics (at all dimensions), Foundations of Theoretical Physics, Planck Scale Physics, (Relativistic Quantum) Nanophysics, (Relativistic Quantum) Econophysics, Physics and Philosophy, Reality and Pictures of Reality, Mathematics in life.

Awards

1) Prize "**Distinguished Tutorial Invited Speaker**", received at 5th International Conference on Surfaces, Coatings and Nanostructured Materials, "**NanoSMat-5**", October 19-21, 2010, Reims – France

2) Prize "**Eminent Invited Tutorial Speaker**", received at 7th International Conference on Surfaces, Coatings and Nanostructured Materials, "**NanoSMat**", September 18-21, 2012, Prague – Czech Republic

Membership to Scientific Societies - Scientific Committees

Member of American Nano Society, 411 Walnut Street, Green Cove Springs, FL 32043-3443 (http://nanosociety.us)

Member of the International Scientific Committee of 2 international conferences (Nanosmat and MPA-meeting)

Current Didactic Position

Teaching Assistant and Contract Professor, Free University of Bozen-Bolzano
(Places: Brunico-Bruneck, Bressanone-Brixen, Bolzano-Bozen)

Bruneck, September 26, 2012

Paolo Di Sia