



January 30, 2015

*Curriculum Vitae : Eleftherios ( Lefteris) N. Economou*

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Researcher ID page: <http://www.researcherid.com/rid/E-6374-2010>

**Personal data:**

- Married to Athanasia Paganou
- Father of a daughter, Sophia

**Education:**

- Diploma, Technical University of Athens..... 1958-63
- M.S., University of Chicago..... 1966-67
- Ph.D., University of Chicago..... 1966-69

**Academic Positions:**

- Professor emeritus, University of Crete..... 2007-
- Senior Researcher, FORTH.....1983-
- Professor of Physics, University of Crete..... 1981-2007
- Professor of Physics, Chair of Theoretical Physics, Univ. of Athens ..... 1978-81
- Professor of Physics, University of Virginia..... 1979-81
- Associate Professor of Physics, University of Virginia..... 1973-79
- Assistant Professor of Physics, University of Virginia..... 1970-73
- Research Associate, University of Chicago..... 1969-70
- Teaching and Research Assistant, University of Chicago..... 1966-69
- Visiting Professor at various Universities (University of Chicago, Université de Lausanne, Princeton University, Iowa State Univ., George Mason Univ.).
- Consultant (Exxon Research Corporation, Naval Research Lab, USA). 1980-88

- Associate member, Ames Lab, ISU..... 1992-

### Academic achievements:

- **Founder** (together with colleagues) of The Foundation for Research and Technology-Hellas (**FORTH**)

- **as given by the Web of Science**

- Papers and Conference Proceedings : 273
- Papers (excluding Conference Proceedings) : 252
- h – index : 53
- Citations to papers and proceedings : 10280
- Citations per paper and proceeding : 35.66 (vs 8.45 for physicists)
- Citations to my book on Green's Functions : 2008
- Total citations : 12288

- **in further details**

- Papers in refereed journals : 252
- Chapters in books (invited) : 16
- Conference proceedings : 56
- Other articles : 37
- Abstract in the Bulletin of APS : 16

- **Books:**

1. *E.N. Economou : A short journey from quarks to the Universe*, SpringerBriefs, 2011. A 2<sup>nd</sup> edition will appear in 2015
2. *E.N. Economou : The Physics of solids: Essentials and beyond*", Springer –Verlag, 2010
3. *E.N. Economou : "Green's functions in Quantum Physics"*, Springer-Verlag, 1979. Second edition 1983, Third edition 2006. This book has received 2008 citations and has been selected by Springer-Verlag to be part of an electronic archive of about 40 renowned Springer imprints of the period 1842-2005.

- In addition he has published another eight books in greek

4. *E.N. Economou et al : Contemporary Physics Vols 1,2* Crete University Press, 1989, 1991, 4th ed., 2000 (in greek), 5th ed. (2004).
5. *E.N. Economou : "Symbiosis without future"*, Crete University Press, 1985, 2nd ed. 1987 (in greek).
6. *E.N. Economou : "Statistical Physics and Thermodynamics"*, Crete University Press, 1994, 2nd ed., 2001 (in greek).
7. *E.N. Economou : "Solid State Physics Vol.I: Metals, Semiconductors, Insulators"* Crete University Press, 1997 (in greek).
8. *E.N. Economou : "Solids I & II" Vols 1,2*, Hellenic Open University, 2006 (in greek).
9. *E.N. Economou: "Solid State Physics. Vol.II: Order, Disorder, Correlations"* Crete University Press, 2003 (in Greek)

10. *E.N. Economou: "Science: How its allurements set"* Eurasian Publications, Athens 2012
  11. *E.N. Economou : " From quarks to the Universe: A brief tour",* Crete University Press, April 2012 . 3<sup>rd</sup> ed., 2014(in greek).
- as well as several articles in books, encyclopedias, etc in greek

**Other activities. Awards:**

- He has supervised ten PhD theses at the Universities of Virginia, Athens, and Crete.
- He has co-supervised another six PhD theses.
- He has been elected Fellow of the American Physical Society (1994).
- He received honorary doctorate degrees from Ecole Polytechnique de Grenoble (1994) and the University of Ioannina (2004)
- He was a member of the team which received in 2005 the Descartes Prize (the highest E.U. award for cooperative research)
- He received an award from the Foundation of the Greek Parliament (2010) and the Commander of the Order of Phoenix by the President of the Greek Republic (20013)
- He has given numerous courses in various summer schools.
- He has given over 210 seminars and lectures at various Universities, Research Centers and Conferences throughout the world.
- He has given about 60 "invited talks" in various International conferences.
- He has written several articles for scientific encyclopedia.
- He has obtained several grants to support his research from NSF(USA), Ministry of Research and Technology (Greece), NATO and from the Commission of the European Communities (ESPRIT, SCIENCE, HUMAN CAPITAL MOBILITY, TMR programmes, IST, Integrated Projects). In total he received more than 12 Meuros
- He coauthored (with C. M. Soukoulis) the Chapter on Solid State Physics in AIP Physics Desk Reference ed. by E. R. Cohen, D. R. Lide and G. L. Trigg, Springer, New York, 2003, and the article on Disorder and Localization Theory in the Encyclopedia of Condensed Matter Physics, Elsevier (2005).
- He has been a member or a chairman of various International Scientific or Advisor Committees responsible for various International Conferences.
- He is a referee for many scientific journals.
- He served as scientific consultant in the greek edition of Scientific American.
- He was coordinator for the Integrated Program of the E.U. entitled "Molecular Imaging". (2004 – 2008)
- His research work is dealing with subjects related to the electronic or classical wave motion in amorphous and periodic solids with emphasis on transport properties in semiconductors, on classical wave propagation, and on negative index materials.

**Administrative Positions:**

- **Director General and Chairman of the Governing Board of the Foundation for Research and Technology-Hellas (FORTH).....** 1983-2004
- Vice Chairman, National Advisory Research Council, Greece..... 1988-91
- Chairman, Committee for Physical Sciences and Engineering, National Advisory Research Council, Greece..... 1988-91
- General Secretary for Research & Technology, Greece..... 1987-88
- Member, Governing Board, University of Crete..... 1981-86
- Chairman, Technical Council, University of Crete..... 1982-86
- Chairman, Physics Dept., University of Crete..... 1981-82
- Dean, School of Sciences, University of Crete..... 1981-82
- Member, Technical Council, University of Crete..... 1990-92
- Member, Scientific Council, NRC "Democritos", Greece..... 1988-90

**Administrative achievements:**

- His most important achievement is his role in the creation of FORTH, which has managed to occupy a prominent position in the European research scene.
- He played a significant role in creating CRETE UNIVERSITY PRESS, the main University Press in Greece

**Selected European Activities:**

- **Member, Committee for the European Development of Science and Technology (CODEST) .....** 1983-87
- Member, Committee for the Evaluation of the European Framework Programme for Science and Technology in connection with the Cohesion Issue..... 1990-91
- Advisor, Committee for the evaluation of the SCIENCE programme..... 1990
- Invited speaker in the "FORUM for Science, Technology and Society" organized by the European Parliament..... 1990
- Invited speaker in "NATO SCIENCE FORUM 90", Biaritz..... 1990
- Invited panelist in "IT FORUM (ESPRIT)" and in

- ESPRIT BASIC RESEARCH conference..... 1989-1990
- Invited panelist in "Round Table on Synchrotron Radiation  
Facilities..... 1990
- Referee/Expert for the Commission of the European Communities
- Invited Speaker, "International Conference for Innovation and  
technology Transfer", Brussels June 1992
- Member, Physics Committee for the "Human Capital and Mobility  
" programme of CEC..... 1992- 1994
- Member, Physics Panel for the "Training and Mobility for  
Researchers" programme of the European Union ..... 1995- 1996
- Member, High level Panel for the Mid-term evaluation of the  
New Instruments of the 6<sup>th</sup> Framework Programme.....2003-2004
- Panel member, Junior ERC Programme..... 2014