

EUROPEAN
CURRICULUM VITAE
FORMAT



PERSONAL INFORMATION

Name	NIARCHOS DIMITRIOS
Address	NATIONAL CENTER FOR SCIENTIFIC RESEARCH DEMOKRITOS Neapoleos And Patriarchou Grigoriou Aghia Paraskevi, Attikis, 153 10 Athens Greece
Telephone	+30 210 650 3385 mob: +30 6946 90 73 63
Fax	+30 210 65 33 706
E-mail	dniarchos@ims.demokritos.gr

Nationality	GREEK
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Date of birth	03/04/1949
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AREAS OF EXPERTIZE

	<ul style="list-style-type: none"> ▪ Research in Materials Science-Magnetism and Superconductivity, Meta-materials, Nanotechnology, Hydrogen storage and High Frequency magnetodielectrics ▪ European affairs (Programmes and community funding) ▪ Support and management of complex projects ▪ In charge of innovation policy studies ▪ Evaluation of EC and National public policies ▪ R&D management and knowledge management
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WORK EXPERIENCE

<ul style="list-style-type: none"> • Dates (from – to) • Name and address of employer • Type of business or sector • Occupation or position held • Main activities and responsibilities 	<p>2005 -2010 NCSR Demokritos Public sector Director and President of the Board</p> <hr/> <p>Responsible of the NCSR Demokritos daily operation, planning ,secure funding, scientific excellence, contacts with Government , EU , Industry and National and International collaborations. Planning for establishment of at NCSR Demokritos Centers of Excellence</p>
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	<p>at National and International Status in areas such Nanoscience and Nanotechnology, Health and Biotechnology and Energy and Environment. Advance postgraduate and postdoctoral education and training and technology transfer through the operation of the Attika Technology Park "Lefkippos". Hiring top scientists and maintaining the top scientific performance of the center as it was recognized by National and International evaluations. Promote the establishment of a "Converging Technologies Science Town". Reorganization of Administrative and Technical Services- Obtained ISO 9001- replacement of Oil fuel with Natural Gas- Demokritos Goes Green Programme- Energy saving windows and improvement of support infrastructure. Collaborations with well established research organizations , like NIH, NYCC, U of Texas, U of Delaware (USA), Kurchatov Institute (RUSSIA), U of Alexandria (Egypt), NRC (Taiwan), DSI (Singapore). Co-Author of the Book "Greek-Science-Technology Platforms" and member of the Greek-Forsight for New materials committee.</p>
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<ul style="list-style-type: none"> • Dates (from – to) • Name and address of employer <ul style="list-style-type: none"> • Type of business or sector • Occupation or position held • Main activities and responsibilities 	<p>From 1996-1999 NCSR Demokritos Public Sector Vice President I administered a number of structural programmes of the Center, totalling in excess of 5 billion Drachmas (20 MECU) in collaboration with the Institute Directors I had the responsibility to organize and be the president of the Research Committee-Special Accounts. I administered a special programme " OPEN DOORS" to make the general public aware of the Scientific Achievements of the Demokritos Scientific Community. I designed and I am Administering the "Office for Technology Transfer" for the Center Perform the duties of the President, while in absent, and tasks assigned by the board of Directors. Collaborate with Greek and EU Industries for the advancement of collaboration between Research Centers and Industry. Redirected some research effort at the NCSR "D" towards servng the Greek society at large (public and private).</p>
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<ul style="list-style-type: none"> • Dates (from – to) • Name and address of employer <ul style="list-style-type: none"> • Type of business or sector • Occupation or position held • Main activities and responsibilities 	<p>From 1994-1999 NCSR Demokritos Public sector Director of the Institute of Materials Science Organize the science activities in priority areas and made the first organogram of the Institute. Stimulated collaboration between groups , with the result of better quality and more outstanding results Improved the Human Skills of the Institute personnel by having seminars, workshops and enhancing collaboration with outside groups Increase outside funding a rate of increase of 15 %. Had the responsibility to hire 10 permanent staff and numerous Post-Docs and Graduate students.</p>
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<ul style="list-style-type: none"> • Dates (from – to) • Name and address of employer <ul style="list-style-type: none"> • Type of business or sector • Occupation or position held • Main activities and responsibilities 	<p>From 1985-today NCSR Demokritos Director of Research Project coordinator of "Magnetic and Superconducting Materials" Organize, acquire infrastructure and secure funding in excess of 8 M€ in the areas of Nanostructured Magnetic Materials Ultrahigh density of magnetic recording media, Hard Magnetic Materials as permanent magnets, Thin Films of magnetic materials for sensors, Magneto-optical recording media, small magnetic particles, magnetic Interactions, CEF effects. Co-founder and a</p>
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	<p>member of a Center of Excellence in “NANOSTRUCTURED MATERIALS”.</p> <p><u>Superconducting Materials</u> High Tc superconductors, applications of magnetic and superconducting materials. Superconducting filters for new generation G3- wireless communications.</p> <p><u>Magnetic MEMS</u> Preparation of “thick magnetic films” , design and patterning of MEMS type devices, such as micromotors, microgenerators and microswitches. Amorphous magnetic systems and sensors.</p> <p><u>Left-Handed Magnetic Materials</u> Preparation and characterization of nanomagnetic “Meta-materials” with “left-Handed properties”, such as $\epsilon < 0$ and $\mu < 0$.</p> <p><u>Combinatorial Magnetic Materials synthesis</u> Initiation of a fast-throuput approach for materials selection using advanced screening techniques</p> <p><u>Energy</u> related issues aiming at conservation, recycling, hydrogen storage, nanothermoelectrics and new materials development for the above areas.</p>
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<ul style="list-style-type: none"> • Dates (from – to) • Name and address of employer <ul style="list-style-type: none"> • Type of business or sector • Occupation or position held • Main activities and responsibilities 	<p>From 2004-2007</p> <p>GSRT-Ministry of Development Public sector</p> <p>President of the Board President of CERECO S.A , a small High-Tech company with a mission to expand its excellent research capabilities in the area of advanced ceramics and its support to the Greek ceramic industries as well as to provide services to environmental issues related to the industrial zone of the most crowded area of Biotia-Greece. Having a broad scientific background together with my training in R&D management (MBA, Loyola University of Chicago) I have managed , together with the General Director and the other board members, to achieve performance improvement for subsequent years. We also developed a five –year Bussiness plan and submitted to the Ministry of Development for approval.</p>
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<ul style="list-style-type: none"> • Dates (from – to) • Name and address of employer <ul style="list-style-type: none"> • Type of business or sector • Occupation or position held • Main activities and responsibilities 	<p>From 1996-1999</p> <p>GSRT-Ministry of Development/NCSR Demokritos Public Sector</p> <p>National Representative to the Board of Directors of JRC I gained experience in a truly European and International environment related to a) decision making b) evaluation of performance of national Institutes and centers. Specifically I was involved in</p> <ul style="list-style-type: none"> - new director appointment - formulation of a “new mission statement” of JRC - expansion of JRC to include the candidate member states - evaluation process for “Scientific and Technological performance of JRC” <p>I was also in the advising committee of “Institute for prospective studies “ of the JRC/EU with respect to the “Improving Human Potential of Scientific Personnel in MEDA countries”.</p>
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<ul style="list-style-type: none"> • Dates (from – to) • Name and address of employer <ul style="list-style-type: none"> • Type of business or sector • Occupation or position held 	<p>From 2004-2004</p> <p>GSRT-Ministry of Development/NCSR Demokritos Public Sector</p> <p>National Representative to the FP6-NMP Programme</p>
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<ul style="list-style-type: none"> • Main activities and responsibilities 	<p>As a national representative to EU for nanotechnology I have initiated a) promotion of nanoscience and Nanotechnology efforts in Greece, b) continuous information of the GSRT , ministries , legal entities and physical persons on results of evaluated projects, future actions etc., d) help the greek scientific community with future calls, group formation and e) initiation of activities to collect information, classify it according to the</p>
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	<p>country needs and and EC classification and submit to the GSRT a DRAFT proposal for a NATIONAL NANOTECHNOLOGY PROGRAMME. I also support the "International Dialogue" for Nanotechnology, an initiative of the EU.</p>				
<ul style="list-style-type: none"> • Dates (from – to) • Name and address of employer • Type of business or sector • Occupation or position held • Main activities and responsibilities 	<p>From 1981-1985 Illinois Institute of Technology, Chicago Illinois, USA Private University Assistant Professor of Physics Teaching undegraduate and graduate courses. Reorganize the Low Temperature Physics Lab and PC-Interface (APPLE IIe!!!) of the undegraduate Labs developing the proper hardware and software. Develop also my own research programme on Low-Tc superconductors, hydrogen storage and magnetic materials</p>				
<ul style="list-style-type: none"> • Dates (from – to) • Name and address of employer • Type of business or sector • Occupation or position held • Main activities and responsibilities 	<p>From June 1989-August 1989 U Jose Fourier/CNRS Lab Lois Neel, Grenoble France Public Sector Visiting Professor Develop magnetostrictive thin films based on Terfenol-like compounds</p>				
<ul style="list-style-type: none"> • Dates (from – to) • Name and address of employer • Type of business or sector • Occupation or position held • Main activities and responsibilities 	<p>From 1978-1981 University of Chicago/Argonne National laboratory, Chicago, Illinois, USA Public Sector Distinguished Postdoctoral Fellow IAEA Research on - Hydrogen Storage Intermetallic Compounds - Low Tc superconducting Materials - Permanent Magnet Materials</p>				
<ul style="list-style-type: none"> • Dates (from – to) • Name and address of employer • Type of business or sector • Occupation or position held • Main activities and responsibilities 	<p>From 1972-1978 Greek Atomic Energy Cimmission/NCSR Demokritos Public Sector Graduate Student Spectroscopic Studies of Fe-S compounds</p>				
<p>EDUCATION AND TRAINING</p>	<table border="1" style="width: 100%;"> <tr> <td data-bbox="225 1469 627 1688"> <ul style="list-style-type: none"> • Dates (from – to) • Name and type of organisation providing education and training • Principal subjects/occupational skills covered • Title of qualification awarded </td> <td data-bbox="655 1469 1559 1688"> <p>From 1967-1972 University of Athens, Department of Physics Physics/Materials Science B.Sc</p> </td> </tr> <tr> <td data-bbox="225 1688 627 1964"> <ul style="list-style-type: none"> • Dates (from – to) • Name and type of organisation providing education and training • Principal subjects/occupational skills covered • Title of qualification awarded </td> <td data-bbox="655 1688 1559 1964"> <p>From 1972-1978 Univesrity of Athens, Depqrtnent of Physics Solid State Physics Ph.D</p> </td> </tr> </table>	<ul style="list-style-type: none"> • Dates (from – to) • Name and type of organisation providing education and training • Principal subjects/occupational skills covered • Title of qualification awarded 	<p>From 1967-1972 University of Athens, Department of Physics Physics/Materials Science B.Sc</p>	<ul style="list-style-type: none"> • Dates (from – to) • Name and type of organisation providing education and training • Principal subjects/occupational skills covered • Title of qualification awarded 	<p>From 1972-1978 Univesrity of Athens, Depqrtnent of Physics Solid State Physics Ph.D</p>
<ul style="list-style-type: none"> • Dates (from – to) • Name and type of organisation providing education and training • Principal subjects/occupational skills covered • Title of qualification awarded 	<p>From 1967-1972 University of Athens, Department of Physics Physics/Materials Science B.Sc</p>				
<ul style="list-style-type: none"> • Dates (from – to) • Name and type of organisation providing education and training • Principal subjects/occupational skills covered • Title of qualification awarded 	<p>From 1972-1978 Univesrity of Athens, Depqrtnent of Physics Solid State Physics Ph.D</p>				

<ul style="list-style-type: none"> • Dates (from – to) • Name and type of organisation providing education and training • Principal subjects/occupational skills covered • Title of qualification awarded 	<p>From 1983-1985</p> <p>Loyola Bussines School, Chicago Illinois, USa</p> <p>Business and finance</p> <p>MBA - Master in Business and Administration</p>
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PERSONAL SKILLS AND COMPETENCES
Acquired in the course of life and career but not necessarily covered by formal certificates and diplomas.

- MOTHER TONGUE
 OTHER LANGUAGES
- READING SKILLS
 - WRITING SKILLS
 - VERBAL SKILLS

INVITED TALKS

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- GREEK**
ENGLISH
- EXCELLENT
 EXCELLENT
 EXCELLENT

- American Chemical Society Meeting (Houston, 1980)
- APS Annual Meeting (New York, 1980)^{INV}
- International Conference on Metal Hydrides (Colorado Springs, 1980) Boston 1981
- Midwest Materials Science Conference (Argonne, 1984) ^{INV}
- Nuclear and Electron Spectroscopy Applied to Materials Science, (Munich, 1989) ^{INV}
- ICMAS ' 91 (PARIS) ^{INV}
- ICN- Honolulu, Hawai, 1994 ^{INV}
- 6th Joint Intermag-MMM, Albuquerque, 1994 ^{INV}
- International Symposium on Ba-ferrite", Kalamata, Greece, 1992 ^{INV}
- NATO ASI "Materials aspects of high Tc Superconductivity: 10 years after the discovery", 19-31 August, 1996, Delphi, Greece.
- Summer School « Aplicado de Magnetismo» Madrid, Spain 1997. ^{INV}
- TMR Conference- Patras/ Superconductivity Permanent Magnet Materials (1997, 1998). ^{INV}
- International Symposium on Future Recording Media, Kalamata, 1996,1998 ^{INV}.
- NATO ASI NATO Advanced Research Workshop on Ferrimagnetic Nano-crystalline and thin film magneto optical and MW materials. Sozopol , Bulgaria. 1999. ^{INV}
- TMR summer school "Mesomagnetism spin dynamics and spin electronics", Rhodes 11-17 September, 1999. ^{INV}
- Nanostructured Films and Coatings, June 28-July 1st, Santorini, 1999 ^{INV}.
- 2^o Πανελλήνιο Συνέδριο Κεραμικών, Αθήνα, 2-3 Δεκεμβρίου 1999 ^{INV}..
- NATO East-West on " Power Applications of Permanent Magnet Materials", Marathon Greece, 25-30 June, 2000. ^{INV}
- Fron Nanostructure to mesomagnetic systems, Spetses 27 August –1st September, 2000 ^{INV}
- International Symposium on Future recording media", September 2001, Kalamata, Greece ^{INV}
- Joint Workshop on «Mesomagnetic systems, Spin dynamics and Spin electronics" Santorini June 30-July5, 2001.
- Eastern Mediterranean Chemical Engineering conference, Ankara 20-24 May, 2001 ^{INV}.
- EMSA'02, Athens, 2002, Greece ^{INV}
- NATO ASI, Chania 2002. ^{INV}
- Panhellenic Solid State meeting, Heraklion, Greece, 2002 ^{INV}

	<ul style="list-style-type: none"> ▪ Institute of Physics, UK, QINETIC, Inc, Farnborough, November 6, 2002 ^{INV} • Second Symposium “Materials and their uses”, 21-23 November , 2002. Tirana ^{INV} • EU-CHINA NANOFORUM, Beijing, Dec 2002 ^{INV} ▪ JAMED’03, ΕΜΠ, Μάϊος , 2003 ^{INV} ▪ Workshop on Functional Materials FMA’2004, Athens, 23-26 September ^{INV} ▪ Nanomagnetism Workshop, November 15-18, Habana, Cuba, 2004 ^{INV} ▪ “Recent Developments in Sm(Pr)-Co and Nd-Fe-B Based Magnets”, JEMS06, San Sebastian, 2006 ▪ Permanent Magnets for MEMS Applications, 19th Workshop REPM, Beijing, China, 2006 ▪ “Nanomaterials for energy and storage”, Academy of Athens Symposium, 2006, Athens Greece ▪ Magnetic Nanoparticles fro recording Media, <i>Workshop on “Current trends in nanoscopic and mesoscopic magnetism”</i> 6-9 September 2006, Santorini, Greece ▪ MRS-2008, San Francisco, USA “Towards 1 Tbit/in² magqnetic media ▪ IMST-Aachen, August 2009, New Magnetic Materials for Tbit/in² magnetic recording ▪ IC4N-2009, Rhodes, Greece Beyond 1 Tbit/in² recording media, Rhodes, Greece ▪ International Conference on Magnetic Materials-2010, Kolkata, India, October 25-29, 2010-11-10 ▪ NANO2010, Rome, September , 2010, Graded FePt for ultrahigh Magnetic Recording ▪ Nanomaterials and nanotechnologies Conference and Summer School, Ouranoupolis, July, 2010 ▪ The trilemma towards 1 Tbit/in², IC4N, Iraklio, June 2011 ▪ EUROSENSORS 2011, 4-7 September , Athens Greece ▪ International Conference for Materials and Applications for Sensors and Transducers, ICMAS-2011. Kos, Greece, May 13-17, 2011 ▪ Nanomaterials and nanotechnologies Conference and Summer School, Ouranoupolis, July, 2012 ▪ European Conference on Thermoelectrics, Thessaloniki, 28-30 Sept 2012 ▪ IC4N, Iraklio, Greece ▪ TNT2011, Tenerife, Spain, 2011, Nov 21-25 ▪ Giant Thermoelectric effect in Nanoporous/nanocomposite Materials, NN-Thessaloniki, July 3-7, Greece, 2012 ▪ Enhancement of the Figure of Meritt in Nanoporous/nanocomposite Materials, Workshop NANOMED, Ctrpus 17, October 2012-12-11 ▪ The art of Deposition of epitaxial FePt films on glass substrates for ultrahigh magnetic recording densities, JEMS2012, Parma, Italy ▪
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ORGANIZING COMMITTEE MEMBER	
	<ul style="list-style-type: none"> ▪ Member of Advisory Committee of International Conference of Materials, Physics and Applications of High Tc Superconductors 1991, 1992 ▪ Advisory Board in the Journal of “Low Temperature Physics” ▪ International Committee Member INTERMAG-92, Stockholm, SWEDEN ▪ Organising Committee for NATO, ASI, “Magnetic Hysteresis..”, Mykonos, 1996 ▪ Special Guest by AFOSR , USA March-April 1996 ▪ Member of organizing Committee EMSA’96, Iasio, Romania. ▪ Member International Conference NANO-98, Stockholm, 1998 and NANO-2000 , Sendai, Japan ▪ Local Organizer of “ TMR School on the Dynamics of Mesoscopic magnetic systems/ DYNASPIN/SUBMAGDEV” Rhodes, Greece, 1999. ▪ Local Organizer of NATO ASI " Magnetic recording media beyond 2000", June 2000, Rhodos ▪ Local Organizer " Magnetic Materials for power Applications", Marathon, Greece, July 2000. ▪ Organizer " Fron Nanoscopic to mesoscopic magnetic systems", A TMR-Euroconference, Spetses, August 2000.

	<ul style="list-style-type: none"> ▪ Organizer " Dynamics of mesoscopic magnetic systems", A TMR-Euroconference, Santorini, June 30-July 4, 2001. ▪ Member of the 3rd International Scientific Workshop, Romania, 2001 ▪ International Committee Member of ICM-2003, Rome, Italy ▪ International Committee Member, REM-2002, Delaware, USA ▪ Member of organizing Committee EMSA'96, EMSA 2002 ▪ Organizing committee NATO ASI- "Synthesis, Functional Properties and Applications of Nanostructures", Crete, Greece, 2002 ▪ Organizing committee member of the summer school «Quantum Magnetic Dots», Bruges, 4-8 August 2003, Belgium, σαν συντονιστής του Ευρωπαϊκού Δικτύου QMDS (HPRN-CT-2000-00134) ▪ National Committee member for «Advanced Materials and Processes» 3^{ου} "Chemical Engineering Conference for collaborative Research in Eastern Mediterranean", May 14-16, 2003, Thessaloniki, Greece • Joint European Magnetic Symposia (JEMS'04), 5-10 September 2004, Dresden, Germany • 18th International Workshop on " High Performance magnets and Their Applications", Annecy 29 August- 2 September, 2004, France. • 3rd Japanese-Mediterranean Workshop on Applied Electromagnetic Engineering for Magnetic and Superconducting Materials" and the "3rd Workshop on Superconducting Flywheels", Athens on May 19-21, 2003. • <u>Programme Committee member</u> of the 2nd Conference on Microelectronics – Microsystems and nanotechnology, Athens Nov 14-17, Greece • <u>Organizer</u> of the Workshop " Magnetic Microsystems", July 2005, Greece • <u>Organizer</u> of the Workshop " Dynamics in magnetic nanostructures", Greece, 2005 • Member of the <u>International Organizing Committee</u> of the 19th " High Performance magnets and Their Applications", China 2006 • <u>Organizer</u> of the 20th " High Performance magnets and Their Applications", Greece 2008. • <u>Research Trends in Novel Magnets for Electromagnetic Applications, Santorini, 3-5 September, 2008</u> • <u>Member of International Committee, JEMS08(Dublin, Ireland), Sept 15-19, 2008</u> • <u>IC4N- Rhodes, September 2009, Rhodes, Greece</u> • <u>JEMS, 2008, Dublin, Ireland, Organizing Committee</u> • Nanostructured Materials, Italy 2010, Organizing International Committee • International Conference on Magnetic Materials, Kolkata, India, 2010, International Organizing Committee • EUROSENSORS 2011, Athens, September 4-7, Co-Chair Programme Committee • REPM'12, International Organizing Committee, Sept 2-5 Japan • Chairman, Joint Magnetic European Symposia, 2013, Rhodes, Greece • CIMTEC, June Italy, 2014
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SEMINARS	
	<ul style="list-style-type: none"> ▪ Tufts University, Physics Department, 1982 ▪ Illinois Institute of Technology, Physics Department, 1981, 1983, 1986 ▪ Argonne National Lab, MST Division, 1980, 1981, 1984 ▪ NCSR "DEMOKRITOS", Athens, GREECE, 1981, 1982, 1985, 1986 ▪ McGill University, Physics Department, 1982 ▪ National Technical University of Athens, Greece, 1985 ▪ University of Iowa, Ames, Physics Department, 1986 ▪ Northern Illinois University, De Kalb, Physics Department, 1986 ▪ U of Iowa, Ames, Physics Department, 1987, 1988 ▪ U of Athens, 1989, 1991, 1998, 2001 ▪ U of Delaware, 1990, 1991 ▪ ΕΜΠ , ΠΑ και ΑΠΘ (1994- 2002) ▪ U of Delaware , 1995, 1996 ▪ Argonne National Lab, 1996

	<ul style="list-style-type: none"> ▪ MIT, 1996 ▪ U of Vanderbilt, Kentucky, 1996 ▪ ΙΤΧΗΔ- Θεσσαλονίκη, Ιανουάριος 2003 ▪ ΙΦΧ, ΕΚΕΦΕ «Δ», Απρίλιος 2003 ▪ Π.Α, Οκτώβριος, 2001 ▪ ΑΠΘ, Φυσικό Τμήμα, 2002, 2004, 2005, 2006 ▪ ΙΕΥ, ΕΚΕΦΕ «Δ», 1990- 2008 ▪ U of Delaware, October 2003,2005, 2008 ▪ Digital Storage Institute, Singapore, Nov 2009 ▪ Academia Sinica, Taiwan, Nov 2009 ▪ Digital Storage Institute, Singapore, Nov 2010 ▪ University of Delaware, Nov 2010 ▪ U of Delaware, Nov 2011 ▪ IIT, Chicago, Il , Jan 2013 ▪ Argonne National Lab, Jan 2013 ▪ Oak Ridge National Lab, March 2013 ▪ Ames Lab, Iowa, March 2013
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PARTICIPATION IN MEETINGS WITH PRESENTATIONS	
	<ul style="list-style-type: none"> ▪ International conference on Mossbauer Spectroscopy (Corfu 1976, GREECE) ▪ Magnetism and Magnetic Materials (Cleveland, 1978) ▪ APS Annual Meeting (Chicago, 1979) ▪ Materials Research Society (Boston, 1979) ▪ Magnetism and Magnetic Materials (Dallas, 1980) ▪ International Conference on Ternary Superconductors (Lake Geneva, 1980) ▪ American Chemical Society Meeting (Houston, 1980) ▪ APS Annual Meeting (New York, 1980) ▪ Magnetism and Magnetic Materials (Atlanta, 1981) ▪ International Conference on Metal Hydrides (Colorado Springs, 1980) ▪ Boston 1981 ▪ APS Annual Meeting (Phoenix, 1982) ▪ APS Annual Meeting (Los Angeles, 1984) ▪ Magnetism and Magnetic Materials (San Diego, 1984) ▪ Midwest Materials Science Conference (Argonne, 1984) ▪ EEC "CEAM" Meeting (Grenoble, 1985) ▪ EEC "CEAM" Meeting (Amsterdam, 1986) ▪ European Physical Society, Solid State Meeting, Stockholm, 1987) ▪ EEC "CEAM" Meeting (Birmingham, 1986) ▪ EEC "CEAM" Meeting (Dublin, 1987) ▪ INTERMAG 90 (BRIGHTON) ▪ M2-HTS '88 (INTERLAKEN) ▪ Nuclear and Electron Spectroscopy Applied to Materials Science, Munich, 1989 ▪ M2-HTSC '89 (STANFORD) ▪ M2-HTSC '91 (KANASAWA, JAPAN) ▪ ICMAS ' 91 (PARIS) ▪ INTERMAG-93, SWEDEN ▪ ICN- Honolulu, Hawaii, 1994 ▪ 6th Joint Intermag-MMM, Albuquerque, 1994 ▪ EMMA'95, Wien, Austria, 1995 ▪ EMSA'96, Iasio, 1996 ▪ NANO'98, Stockholm, Sweden ▪ INTERMAG, Amsterdam 2002. ▪ International Conference of Magnetism, Rome, July 27-30 , 2003, Italy ▪ 19^ο Πανελλήνιο Συνέδριο Φυσικής Στερεάς Κατάστασης, Θεσσαλονίκη. ▪ JAMED'03, ΕΜΠ, Μάιος , 2003 ▪ Nanomagnetism Workshop, November 15-18, Habana, Cuba, 2004 ^{INV}

	<ul style="list-style-type: none"> ▪ “Recent Developments in Sm(Pr)-Co and Nd-Fe-B Based Magnets”, JEMS06, San Sebastian, 2006 ▪ Permanent Magnets for MEMS Applications, 19th Workshop REPM, Beijing, China 2006 ▪ “Nanomaterials for energy and storage”, Academy of Athens Symposium, 2006, Athens Greece ▪ <i>Workshop on "Current trends in nanoscopic and mesoscopic magnetism"</i> 6-9 September 2006, Santorini, Greece • REPM2008, Iraklio, Greece • IC4N-2009, Rhodes Greece ▪ IMST, Aachen, August 2009, Germany ▪ U of Birmingham, September, 2009 ▪ U of Delaware, USA, Nov 2010 ▪ DSI, Singapore, Nov 2010 ▪ ICMM 2010, Kolkata, 2010 ▪ REPM2010, Slovenia, 2010 ▪ JEMS2010, Poland ▪ Euroensors 2011, Athens, Greece ▪ IC4N, 2011, Crete, Greece ▪ JEMS2012, Parma, Italy ▪ MRS-2013, SF, USA
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BOOKS and Other Publications

<ul style="list-style-type: none"> • Greek Science and Technology Platforms, Athens, 2007, 350 pages • Greek-Large Scale Infrastuctures- Roadmap , 2006, 30 pages • Proceedings of the 20th-Rare Earth Permanent magnet Applications, Editor, Crete,Greece, Septemeber, 2008,412 pages • "Introduction to magnetic materials and applications", Open University, Patras, Greece, 2006, 220 pages • Lab-Instructions, IIT, Chicago, Illinois, 2-Vol Mechanics-Thermodynamics, 1-Vol, Electricity, IIT, Chiacago, 1982, 40 pages
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ACHIEVEMENTS-AWARDS
2005 1967 1978-1981 1996-1999 2005-2007 2010

<p>DESCARTES Award 2005 First PanHellenic Award in Math from the Greek Mathematical Society Disntinguish Scientist from IAEA U of Chicago, Argonne National lab, USA Board Member , National Representative to Joint Research Center, EU National Representative to FP6 in Nanotechnology High-Level EU group for Foresight in FP7</p>

RESEARCH PROJECTS

<p>Coordinator of more than 20 EU and National Projects Partner in more than 30 EU and National Projects</p>

FINANCIAL DATA

<p>Raised more than 10 M€ fro my research Fron National, EU and Industry projects</p>
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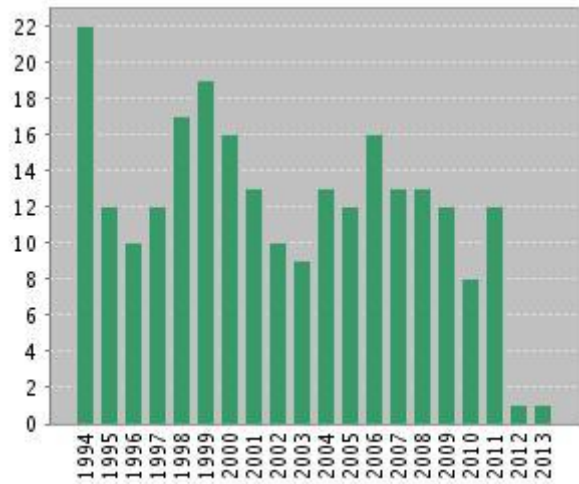
<p>PUBLICATIONS in Refereed <i>Journals and Proceedings</i></p>

<p>More than 420 publications with more than 4500 Citations <u>in refereed journals and</u> 150 in proceedings with no referee.</p> <p>H-factor 28</p>
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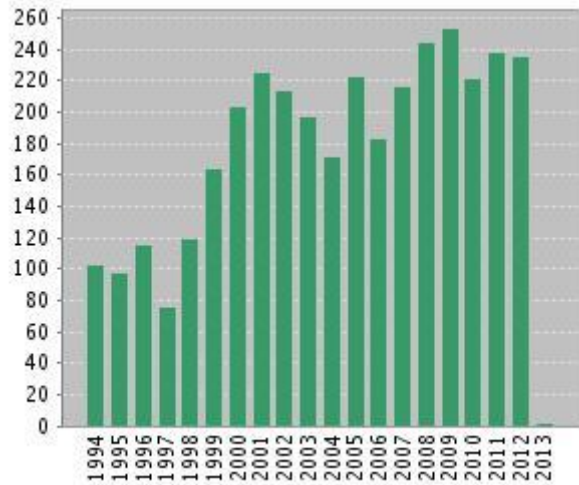
PUBLICATION AND SCITATION

1992-2012

Published Items in Each Year



Citations in Each Year



Source: Web of Science 10-12-2012

Project	Duration	Funding (€)	Source	Role
MAGNACORE	17/9/2012-16/9/2015	200000	GSRT	Coordinator
SPOT Spin Orbit Torque memory for cache & multicore processor applications	1/19/2012-30/9/2015	325000	ICT	Partner
REFREEPERMAG (Rare Earth Free Permanent Magnets)	1/5/2012-30/4/15	844676	EC-NMP	Coordinator
NEXTEC Next Generation Nanothermoelectrics	1/12/2010-30/11/2013	388,000	EC-NMP	Partner
NANOPERMAG	1/5/2010-30/4/2012	204,500	EC-MARIE CURIE	Coordinator
Towards 1 Tbit/in ² magnetic recording (TERAMAGSTOR)	1/5/2008-30/4/2011	970,000	EC-ICT	Coordinator
Novel Permanent Magnets for High Temperature Applications (HITEMAG)	1/3/2000-28/2/2003	405,000	EC-GROWTH	Coordinator
Left Handed Materials based on Magnetic Nanostructures (LHMAGNON)	1/12/2002-30/11/2002	170,000	EC-IST	Coordinator
Quantum Magnetic Dots: Model Structures for exciting New Applications (QMDS)	1/9/2000-30/8/2004	228,000	EC-GROWTH	Coordinator
Plastic Bonded Magnets- NATO SfP	1/9/1999-30/9/2003	110,000	NATO	Coordinator
Self Assembled Nanoparticles and Nanopatterned arrays for high density magnetorecording (HIDEMAR)	1/3/2002-28/6/2005	470,000	EC-GROWTH	Partner
Magnetic Thick Films for MEMS Applications (M ² EMS)	1/4/2002-30/7/2005	550,000	EC-IST	Partner
Dynamics of Magnetic Nanostructures (DYNAMICS)	1/9/2002-30/8/2006	150,000	EC-GROWTH	Partner
Integrated Center for Environmental Technologies*	1/1/2006-30/10/2008	1,850,000	GSRT	Coordinator
Dynamic Properties of Mesomagnetic Systems (DYNASPIN)	1/12/1997-30/11/2001	175,000	EC-IHP/GROWTH	Partner
From mesoscopic to nanostructured Materials (NANOSCALE)	1/6/1999-30/5/2001	100,000	EC-IHP	Coordinator
Επιχειρησιακή πρόταση ΙΕΥ ΙΣΤΟΣ *	1/1/1995-30/3/1998	750,000	GSRT	Coordinator
Εξελιγμένοι αισθητήρες για τον έλεγχο και βελτίωση παραγωγής (ΕΞΑΙΣΙΟ- ΕΠΕΤ II)	1/6/1996-30/3/1999	200,000	GSRT	Partner
Αισθητήρες Γιγαντιαίας Μαγνητοαντίστασης για την Ανάγνωση Μαγνητικού πεδίου (ΑΙΣΘΗΜΑ) ΕΠΕΤ-II	1/1/1995-30/6/1998	300,000	GSRT	Coordinator
Nano-free rotors (CRAFT)	1998-2000	120,000	EC-CRAFT	Partner
Ανοιχτές Θύρες- «Δ»*	1996-1998	167,000	GSRT	Coordinator
Γραφείο Διαμεσολάβησης «Δ»*	1998-2001	190,000	GSRT	Coordinator
Innovative Magnetic and optical sensors & Applications (IMOSSENS)	1/7/1998-30/9/2001	325,000	EC- B/E	Partner
Magnetic Industrial Sensors for	1/1/1994-30/6/1997	175,000	EC- B/E	Partner

Integrated Technologies (MAGNIFIT)				
Magnetostrictive Materials BILATERAL- FRENCH	1992-1993	7,000	GSRT	Coordinator
Bi-based High Tc Superconductors	1994-1995	4,500	NATO	Coordinator
Ferrite Platelet Materials	1999-2001	15,000	NATO	Coordinator
ΚΟΙΝΟΠΡΑΞΙΑ ΥΠΕΡΑΓΩΓΙΜΟΤΗΤΑΣ	1990-1992	80,000	ΓΓΕΤ	Coordinator
Development of Sm-Fe-N Permanent Magnets	1991-1994	150,000	EC- B/E	Partner
Thin Film Applications of High Temperature Superconductors	1992-1995	200,000	EC-B/E	Partner
Thin films of the type R-TM/TM/M for Integrated Technologies	1990-1993	110,00	EC-B/E	Partner
Hydrogen Storage materials	1999-2000	6,000	GSRT	Coordinator
European Concerted action on Magnetostrictive Materials	1998-2000	18,000	EC-IMT	Partner
Multilayered Magnetic Materials Fundamentals and Applications	1989-1992	120,000	EC-IMT	Partner
Search for novel Materials with magnetic and superconductive order	1993-1995	15,000	EC-IMT	Partner
Amorphous-wires and applications	1987-1989	57,000	EC-IMT	Coordinator
PENED-BILATERAL-OTHER	1995-2002	50,000	GSRT	Coordinator
Concerted European Action on Magnets (CEAM)	1985-1995	60,000	EC- IMT	partner
TOTAL	~	10,250,000		

FUNDING for Dr. D. Niarchos Research

ΓΠΡΑΞΕ-Ι Μαγνητικός Αποσκληρυντής Υδάτος (Υπ)	1/11/2002- 30/3/2004	44,000	ΕΥΡΩ	GSRT	Coordinator
ΓΠΡΑΞΕ-Ι A-C επιδεκτικότητα σε Lab-View (Συν-Υπ)	12/2/2003- 30/1/2004	44,000	ΕΥΡΩ	GSRT	Partner
ΓΠΡΑΞΕ-Ι Magnetic Brakes (Συν-Υπ)	1/11/2002- 30/3/2004	44,000	ΕΥΡΩ	GSRT	Partner

- Responsible as of his administrative position

PUBLICATIONS	
IN REFEREED JOURNALS AND MEETINGS WITH REFEREES	More than 400 publications with ~ 4000 Citations in refereed journals and an h-factor 28 . Another ~ 150 publications have been presented in National and International conferences and schools.
	Also I have more than 70 Invited talks and more than 50 Seminars in EU, USA, JAPAN, Taiwan and Greece.
	Analytically:
	1978- 1989
	<ol style="list-style-type: none"> 1. "Mossbauer Studies of paramagnetic behaviour of Dissolved Bis (N,N-Dialkyldithio-carbamato) Fe Halides", A. Malliaris and D. Niarchos, Proc. Int. Conf. Mossbauer Effect, Cracow, Poland, 1975. p.253 (<i>My first Publication</i>). 2. "Solvation Effects in Intermediate-Spin Ferric Complexes",D. Niarchos and A. Malliaris Inorg. Chem., <u>15</u>, 1340-1343 (1976). 3. "Simulation of Mossbauer Relaxation Spectra in the presence of external magnetic fields", D. Niarchos and V. Petrouleas, J. Physique Coll., C6, 37 (1976) 4. "Mossbauer study of Intermediate Spin (S=3/2) Fe(III) Dithioxalato Complexes", D. Niarchos, A. Kostikas, A. Simopoulos and D. Coucouvanis , Proc. Int. Conf. on Mossbauer Spect., Bucharest, Romania, <u>1</u> , 2 11 (1977). 5. "Magnetically perturbed Mossbauer Spectra of Intermediate Spin Iron(III) Complexes containing the 1,2 Dicyanoethylenedithiolate ligand", D. Petridis, D. Niarchos and A. Malliaris, Proc. Intr. Conf. Mossbauer Spectroscopy, Bucharest , Romania, <u>1</u> ,275 (1977). 6. "Mossbauer Study of Bis (N,N-Diisopropyldithiocarbamate Iron(III) Halides", A. Malliaris, D. Niarchos and D. Petridis, Chem. Phys., <u>31</u>, (3), 369 (1978). 7. "Magnetic susceptibility and Mossbauer effect studies in some anionic Iron(IV) Dithiochelates", D. Petridis , D. Niarchos and B. Kannellakopoulos, Inorg. Chem., <u>18</u> ,505 (1979). 8. "Mossbauer, Magnetic susceptibility and EPR studies of Intermediate spin Iron(III) Dithioxalato Halides", D. Niarchos, A. Kostikas, A. Simopoulos, D. Coucouvanis, D. Piltingrund and R. Coffman, J. Chem. Phys. <u>69</u> ,4411 (1978). 9. "Magnetic Properties of DyFe₂H₂ from Fe⁵⁷ and Dy¹⁶¹, Mossbauer effect and Magnetization Measurements", P.J. Viccaro, J. M. Friedt, D. Niarchos, B. D. Dunlap, G. K. Shenoy , A.T. Aldred and D. Westlake, J. Appl. Phys. , <u>50</u> ,2051 (1979). 10. "High field Mossbauer effect Studies of Some Anionic Iron(IV) Dithiochelates", D. Niarchos and D. Petridis, Chem. Phys. , <u>41</u> ,97 (1979). 11. "Magnetic and structural properties of ErFe₃H_x Hydrides", D. Niarchos, B.D. Dunlap, P.J. Viccaro and G. K. Shenoy, J. Appl. Phys., <u>50</u> ,7690

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12.	"Mossbauer effect investigations of the Electronic and Magnetic Properties of Rare Earth metal and Intermetallic Hydrides", B. Dunlap, G. K. Shenoy, J. M. Friedt, P.J. Viccaro, D. Niarchos , H. Kierstead, A. T. Aldred and D. Westlake, J. Appl. Phys. , <u>50</u> , 7682 (1979).
13.	Mossbauer studies of new ternary superconductors,
14.	" ¹⁶⁶ Er Mossbauer and X-ray Diffraction study of ErMn ₂ Hydrides", P. J. Viccaro, G. K. Shenoy, D. Niarchos and B.D. Dunlap, J. Less Comm. Metals, <u>73</u> ,265 (1980).
15.	"Surface segregation on Hydrogenation of FeTi: A Mossbauer Conversion Electron Study", G. K. Shenoy, D. Niarchos , P.J. Viccaro , B. D. Dunlap and A. T. Aldred, J. Less-Comm. Metals, <u>73</u> ,171 (1980).
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18.	"Conversion Electron Mossbauer Spectroscopy of ¹⁵¹ Eu and ¹⁶⁹ Tm", G. K. Shenoy, D. Niarchos , P.J. Viccaro and B. D. Dunlap, Advances in Chemistry Sreies, <u>194</u> ,117 (1981).
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55.	<p>"The role of Pb in the $\text{Y}_{1-x}\text{Pb}_x\text{Ba}_2\text{Cu}_3\text{O}_7$, $0 < x < 1$, High T_c Superconductor", D. Niarchos, Proc. of the First European Workshop on High T_c Superconductors, Genova , 1-3 July, 1987.</p>
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61.	<p>"Magnetic properties of rapidly quenched $\text{R}_2(\text{Co, Fe})_7\text{B}_3$ Alloys", Aly, E. Singleton, G.C. Hadjipanayis, G. Zouganelis and D. Niarchos, J. Magn. Magn. Mat. <u>75</u> (1988) 88.</p>
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