

**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
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Nationality	GREEK
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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) • 3D-4D printing of magnetic-Thermoelectric Materials ▪ Higher Education, ADIP (Greek branch of ENQA) ▪ Support and Management of complex projects, Reviews, Coordination and Scientific, technical and economic reports to funding agencies ▪ In charge of innovation policy studies, technology transfer, External Reviews ▪ Evaluation of EC and National public policies, Education and Science 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 	2005 -2010 NCSR Demokritos Public sector Director and President of the Board
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<ul style="list-style-type: none"> • Main activities and responsibilities 	<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 at NCSR Demokritos Centers of Excellence 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-Foresight for New materials committee.</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 1996-1999</p> <p>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 serving the Greek society at large (public and private).</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 1994-1999</p> <p>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 Improve the Human Skills of the Institute personnel by having seminars, workshops and enhancing collaboration with outside groups Increase outside funding at a rate of increase of 15 %. Had the responsibility to hire 10 permanent staff and numerous Post-Docs and Graduate students.</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 1985-2016 (now Emeritus Researcher)</p> <p>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 <u>Nanostructured Magnetic Materials</u></p>

	<p>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 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-throughput 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 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 Business plan and submitted to the Ministry of Development for approval.</p>
<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 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 <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” I was also in the advising committee for the “Institute for Prospective Studies “ of the JRC/EU with respect to the “Improving Human Potential of Scientific Personnel in MEDA countries” </p>
<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 2004-2006</p> <p>GSRT-Ministry of Development/NCSR Demokritos Public Sector National Representative to the FP6-NMP Programme</p>
<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</p>

	<p>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 country needs and EC classification and submit to the GSRT a DRAFT proposal for a NATIONAL NANOTECHNOLOGY PROGRAMME.</p> <p>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 <ul style="list-style-type: none"> • Type of business or sector • Occupation or position held • Main activities and responsibilities 	<p>From 1981-1985</p> <p>Illinois Institute of Technology, Chicago Illinois, USA Private University Assistant Professor of Physics Teaching undergraduate and graduate courses. Reorganize the Low Temperature Physics Lab and PC-Interface (APPLE IIe!!!) of the undergraduate 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 <ul style="list-style-type: none"> • Type of business or sector • Occupation or position held • Main activities and responsibilities 	<p>2014-2016</p> <p>HQA(ADIP)- Hellenic Quality Assurance and Accreditation Agency Public Member of the Board of ADIP Decisions related to the Board responsibilities, member of Board for the accession of ADIP to a member of ENQA Streamline operations of agency, Evaluation of Greek Universities system to comply with ENQA directives and Eu policies</p>
<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 1978-1981</p> <p>University of Chicago/Argonne National Laboratory, Chicago, Illinois, USA Public Sector Distinguished Postdoctoral Fellow IAEA Research on <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> • Type of business or sector • Occupation or position held • Main activities and responsibilities 	<p>From 1972-1978</p> <p>Greek Atomic Energy Commission/NCSR Demokritos Public Sector Graduate Student Spectroscopic Studies of Fe-S compounds</p>
<p>EDUCATION AND TRAINING</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> <p>From 1972-1978</p>

<ul style="list-style-type: none"> • Name and type of organisation providing education and training • Principal subjects/occupational skills covered • Title of qualification awarded 	University of Athens, Department of Physics Solid State Physics Ph.D
<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 	From 1983-1985 Loyola Business School, Chicago Illinois, USA Business and finance MBA - Master in Business and Administration
<p style="text-align: center;">PERSONAL SKILLS AND COMPETENCES</p> <p><i>Acquired in the course of life and career but not necessarily covered by formal certificates and diplomas.</i></p>	GREEK ENGLISH EXCELLENT EXCELLENT EXCELLENT
<p style="text-align: center;">INVITED TALKS Oral Presentations</p>	<ul style="list-style-type: none"> ▪ 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, Hawaii, 1994 ^{INV} ▪ 6th Joint Intermag-MMM, Albuquerque, 1994 ^{INV} ▪ International Symposium on Ba-ferrite", Kalamata, Greece, 1992 ^{INV} ▪ NATO ASI "Materials aspects of high T_c Superconductivity: 10 years after the discovery", 19-31 August, 1996, Delphi, Greece. ▪ Summer School « Applicado 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} ▪ From 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}
- 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, Beijin, Dec 2002 ^{INV}
- JAMED'03, ΕΜΠ, Μάιος , 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,Workshop on "*Current trends in nanoscopic and mesoscopic magnetism*" 6-9 September 2006, Santorini, Greece
- MRS-2008, San Francisco, USA "Towards 1 Tbit/in² maqnetic 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, ICMAST-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, Iraklion, 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 Merit in Nanoporous/nanocomposite Materials, Workshop NANOMED, Cyprus 17, October 2012-12-11
- The art of Deposition of epitaxial FePt films on glass substrates for ultrahigh magnetic recording densities, JEMS2012, Parma, Italy
- A novel hybrid-microwave approach for synthesis-sintering of Novel Permanent Magnets , MMM-INTERMAG 2013, Chicago 14-18 January 2013
- D. Niarchos, Magnetic Materials for Energy Needs, MRE July 2013, Athens, Greece (PLENARY)
- D. Niarchos, Giant Thermoelectric Effect in nanoporous Materials, MRS Spring Meeting, San Franscisco, April 4, 2013
- D. Niarchos, The Rare Free Permanent Magnet project, Santorini, 23 August 2013
- D. Niarchos, Terabit Magnetic Recording , International Workshop of the ARISTEIA Project COMANA Complex Magnetic Nanostructures, Aghia Marina, 2-5 June 2015
- D. Niarchos, Rare Earth Free Permanent Magnets, CRM_INNO- BRUSSELS , February 11th, 2015
- D. Niarchos, Materials and Processes for multiterabit recording, NANO2016, Quebec, Canada, August 6-10 2016
- NANO2018, Hong Kong, REPM2018, China, MMM2019, Washington, DC

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 ▪ Organizing Committee for NATO, ASI, "Magnetic Hysteresis..", Mykonos, 1996 ▪ Special Guest by AFOSR , USA March-April 1996 ▪ Member of organizing Committee EMSA'96, Iasi, 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, Rhodes ▪ Local Organizer «Magnetic Materials for power Applications", Marathon, Greece, July, 2000. ▪ Organizer «From Nanoscopic to mesoscopic magnetic systems", A TMR-Euroconference, Spetses, August 2000. ▪ 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" 3ou "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 Permanent 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. ▪ Programme Committee member of the 2nd Conference on Microelectronics – Microsystems and nanotechnology, Athens Nov 14-17, Greece ▪ Organizer of the Workshop " Magnetic Microsystems", July 2005, Greece ▪ Organizer of the Workshop " Dynamics in magnetic nanostructures", Greece, 2005 ▪ Member of the International Organizing Committee of the 19th " High Performance magnets and Their Applications", China 2006 ▪ Organizer of the 20th REPM " High Performance magnets and Their Applications", Greece ,2008. ▪ Research Trends in Novel Magnets for Electromagnetic Applications, Santorini, 3-5 September, 2008 ▪ Member of International Committee, JEMS08(Dublin, Ireland), Sept 15-19, 2008 ▪ IC4N- Rhodes, September 2009, Rhodes, Greece ▪ 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 2010, International Organizing Committee ▪ REPM'2012, International Organizing Committee, Sept 2-5 Japan ▪ Chairman, Joint Magnetic European Symposia, 2013, Rhodes, Greece ▪ CIMTEC, June Italy, 2014, Member of the International Committee ▪ REPM2016, Dresden, 2016

- COMANA, 2016, Egina, Greece, Member of the Organizing Committee
- REPM2018, China, Member of the International Committee
- CIMTEC 2017, Italy
- Emerging Materials and Nanotechnology, 2017, Vancouver, CA
- NANO2016, Quebec Canada
- Nano2018, Hong kong, China

PATENTS
<ul style="list-style-type: none"> ▪ Nanoantennas for direct conversion of light to electricity, Greek Patent Office (2009) OBI 20080100096 ▪ Hybrid Wind-Solar Farms, Greek Patent Office (2010) OBI 20090100428 ▪ LED lighting in Precious items, Greek Patent Office (2010) OBI 20090100492 ▪ Graded nanoporous thermoelectric materials with superior performance (Greek PO), OBI 2012010xxxx ▪ Desk-top synthesis and sintering system, OBI 20141008733 ▪ Generador de corriente electrica para el approvenciamiento de focos de calro mediante Sistema termoelectrico PCT/ES2013/070380

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 ▪ MIT, 1996 ▪ U of Vanderbilt, Kentaky, 1996 ▪ ΙΤΧΗΔ- Θεσσαλονίκη, Ιανουάριος 2003 ▪ ΙΦΧ, ΕΚΕΦΕ «Δ», Απρίλιος 2003 ▪ Π.Α, Οκτώβριος, 2001 ▪ ΑΠΘ, Φυσικό Τμήμα, 2002, 2004, 2005, 2006 ▪ IEY, EKEΦE «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 ▪ Ames Lab, Iowa, December 2014 ▪ Ames Lab, Iowa, December 2015 ▪ Brussels, EU Clustering event on Fp7 Projects, February 2015 ▪ Novisad, Serbia, February 2015 ▪ Strassburg, Critical Raw Materials, October 2015 ▪ NCSR Demokritos, Summer School 2016

PARTICIPATION IN MEETINGS WITH PRESENTATIONS	
	<p>International conference on Mossbauer Spectroscopy (Corfu 1976, GREECE)</p> <ul style="list-style-type: none"> ▪ 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 MMM-Intermag, Albuquerque, New Mexico, 1994 ▪ EMMA'95, Austria 1995 ▪ EMSA'96, IASIO, 1996 ▪ NANO'98, Stockholm, Sweden ▪ INTERMAG, Amsterdam 2002. ▪ International Conference of Magnetism, Rome, July 27-30, 2003, Italy ▪ 19ο Πανελλήνιο Συνέδριο Φυσικής Στερεάς Κατάστασης, Θεσσαλονίκη. ▪ JAMED'03, ΕΜΠ, Μάϊος, 2003 ▪ 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 ▪ Workshop on "Current trends in nanoscopic and mesoscopic magnetism" 6-9 September 2006, Santorini, Greece ▪ REPM 2008, 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, Kolcata, 2010 ▪ REPM2010, Slovenia, 2010 ▪ JEMS2010, Poland ▪ Eurosensors 2011, Athens, Greece ▪ IC4N, 2011, Crete, Greece ▪ JEMS2012, Parma, Italy

PARTICIPATION IN MEETINGS With PRESENTATIONS	
	<ul style="list-style-type: none"> ▪ MRS-2013, SF, USA ▪ INTERMAG-MMM-2013, January, Chicago, USA ▪ INTERMAG-2014, Dresden, Germany ▪ REPM-2014, August 2014 ▪ CRM Meeting, Brussels , February 11th, 2015 ▪ Cluster Meeting on Substitution of Critical Materials, Brussels, Febr 10, 2015 ▪ INTERMAG2015, Beijing, May 9-15, 2015 ▪ Workshop "thermal Metamaterials", Novisad, Serbia, 2015 ▪ SXSW 2014, Interactive, Austin Texas, March 2014 ▪ APS-Meeting, Phoenix, 2014 ▪ BILAT USA 2.0, Brussels 2015 ▪ NANO2018, Hong Kong, China ▪ REPM2018, Beijing, August 2018 ▪ MMM2019, Washington, DC ▪ IC4N, Corfu 2019

BOOKS AND OTHER PUBLICATIONS	
	<ul style="list-style-type: none"> • Greek Science and Technology Platforms, Athens, 2007, 350 pages • Greek-Large Scale Infrastructures- Roadmap, 2006, 30 pages ▪ Proceedings of the 20th-Rare Earth Permanent magnet Applications, Editor, Crete, Greece, September, 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, Chicago, 1982, 40 pages

PH.D STUDENTS SUPERVISION																																													
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+ 20 more Master or Diploma Thesis

RESEARCH PROJECTS	Coordinator of more than 20 EU and National Projects Partner in more than 30 EU and National Projects																														
FINANCIAL DATA	Raised more than 15,2 M€ for my research from EU, National and other sources																														
PUBLICATIONS in Refereed Journals and Proceedings	More than 500 publications with more than 8500 Citations in refereed journals and 150 in proceedings with no referee. h-factor Google Scholar 42 , Web of Science 34																														
PUBLICATIONS AND CITATIONS	<p>Source: Web of Science 7-10-2022</p> <table> <thead> <tr> <th></th> <th>All</th> <th>Since 2017</th> </tr> </thead> <tbody> <tr> <td>Citations</td> <td>9432</td> <td>2038</td> </tr> <tr> <td>h-index</td> <td>44</td> <td>23</td> </tr> <tr> <td>i10-index</td> <td>238</td> <td>58</td> </tr> </tbody> </table> <table border="1"> <caption>Data for Bar Chart: Citations from 2015 to 2022</caption> <thead> <tr> <th>Year</th> <th>Citations</th> </tr> </thead> <tbody> <tr><td>2015</td><td>460</td></tr> <tr><td>2016</td><td>460</td></tr> <tr><td>2017</td><td>345</td></tr> <tr><td>2018</td><td>360</td></tr> <tr><td>2019</td><td>345</td></tr> <tr><td>2020</td><td>360</td></tr> <tr><td>2021</td><td>345</td></tr> <tr><td>2022</td><td>230</td></tr> </tbody> </table>		All	Since 2017	Citations	9432	2038	h-index	44	23	i10-index	238	58	Year	Citations	2015	460	2016	460	2017	345	2018	360	2019	345	2020	360	2021	345	2022	230
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RESEARCH PROJECTS

Project	Duration	Funding (€)	Source	Role
Novel, Critical Materials Free, High Anisotropy Phases for Permanent Magnets by Design (NOVAMAG)	1/2/2016-31/2/2019	505,000	H2020	Partner
International Network on Advanced high Energy Permanent Magnets (IPANEM)	1/1/2016-31/12/2018	100,000	H2020	Partner
Rare Earth-Free Nanoparticles for High Performance Permanent Magnets	1/1/2014-31/12/2014	40,000	Samsung	Partner
Novel Nanostructured Materials for High frequency DC-DC Converters (MAGNACORE)	17/9/2012-16/9/2015	200,000	GSRT-ESPA	Coordinator
KRHPIS-ΟΠΣ 452100	1/3/2013-31/12/2015	883,200	GSRT-ESPA	Coordinator
SYNERGASIA	1-4-2013-30-10-2015	25,000	GSRT-ESPA	Partner
Spin Orbit Torque memory for cache & multicore processor Applications (SPOT)	1/10/2012-30/9/2015	325,000	ICT	Partner
REFREEPERMAG (Rare Earth Free Permanent Magnets)	1/5/2012-30/4/15	904,073	EC-NMP	Coordinator
NEXTEC Next Generation Nanothermoelectrics	1/6/2011-30/5/2014	285,000	EC-NMP	Partner
Nanostructured Permanent Magnet Materials (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 Nanostrucures (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
Επειγειρησιακή πρόταση IEY 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

Dr. D. Niarchos , CV EU-Format

2016

Αισθητήρες Μαγνητοαντίστασης για την Ανάγνωση Μαγνητικού πεδίου (ΑΙΣΘΗΜΑ) ΕΠΕΤ-II	Γραντιαίας 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 (IMOSENS)	1/7/1998-30/9/2001	325,000	EC- B/E	Partner
Magnetic Industrial Sensors for Integrated Technologies (MAGNIFIT)	1/1/1994-30/6/1997	175,000	EC- B/E	Partner
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	110,000	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

FUNDING for Dr. D. Niarchos Research

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

- Responsible as of my administrative position as President of the NCSR D

PUBLICATIONS	
IN REFEREED JOURNALS AND MEETINGS WITH REFEREES	<p>More than 490 publications with ~ 9500 Citations in refereed journals and an h-factor 44. Another ~ 150 publications have been presented in National and International conferences and schools.</p> <p>Also I have more than 70 Invited talks and more than 50 Seminars in EU, USA, JAPAN, Taiwan and Greece.</p> <p>Analytically:</p> <p>1978- 1989</p> <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 Spectr., 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-Diisopropylthiocarbamato 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. Piltingrud 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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17.	"Hydrogen Storage Materials", G. K. Shenoy, B. D. Dunlap,P.J. Viccaro and D. Niarchos , <i>Advances in Chemistry Series</i> , <u>194</u> ,501 (1981).
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