

CURRICULUM VITAE

PERSONAL INFORMATION	
FULL NAME	ANDREAS CHRYSOCHOS, PhD, MBA, MMath
PLACE & DATE OF BIRTH	Rhodes, Greece, 17/10/1986
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EDUCATION

2018 - 2023	MSc in Mathematics (MMath), Hellenic Open University School of Science and Technology Grade: 9.06 / 10, with honors Thesis title: <i>"Applications of modified method of auxiliary sources to problems of electromagnetic excitation of multilayer scatterers"</i>
2017 - 2019	PostDoc in Electrical and Computer Engineering, Democritus University of Thrace School of Electrical and Computer Engineering Thesis title: <i>"Applications of narrowband power-line communication in power transmission and distribution networks"</i>
2015 - 2017	MSc in Business Administration (MBA), University of Macedonia School of Business Administration Grade: 9.67 / 10, with honors; ranked 1st in the graduating year Thesis title: <i>"Multicriteria decision making using TOPSIS method and fuzzy logic"</i>
2010 - 2015	PhD in Electrical and Computer Engineering, Aristotle University of Thessaloniki School of Electrical and Computer Engineering Grade with honors Thesis title: <i>"Improved frequency-dependent transient transmission line model"</i>
2004 - 2009	BSc + MSc in Electrical and Computer Engineering, Aristotle University of Thessaloniki School of Electrical and Computer Engineering Grade: 9.46 / 10, with honors; ranked 1st in the graduating year Thesis title: <i>"An initial approach to the transient simulation of overhead and underground transmission lines in the frequency domain"</i>

PROFESSIONAL EXPERIENCE

2017 - Present	R&D Department, Hellenic Cables 2026 - Present: Director 2023 - 2025: Senior Manager 2022 - 2023: Principal Engineer
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	2020 - 2022: Associate Principal Engineer 2017 - 2020: Senior Engineer
2015 - 2017	Research Fellow, School of Electrical and Computer Engineering, Aristotle University of Thessaloniki
2012 - 2017	Freelance Electrical & Computer Engineer

PROFESSIONAL MEMBERSHIPS

2023 - Present	Member, Europacable 2023 - 2025: Member, FlatEMF study team, "Impact of subsea electricity cables on marine wildlife"
2022 - Present	Member, Hellenic Organization for Standardization (ELOT) 2022 - Present: Greek Representative, IEC TC 20 WG 19, "Current rating and short-circuit limits of cables"
2019 - Present	Member, International Council for Large Electric Systems (CIGRE) 2026 - Present: Regular Member, CIGRE SC B1, "Insulated cables", representing Greek National Committee 2024 - 2026: Observer Member, CIGRE SC B1, "Insulated cables", representing Greek National Committee 2026 - Present: Member, CIGRE WG B1.101, "Recommendations for testing of DC superconducting cable systems" 2023 - Present: Member, CIGRE WG C4.74, "Accurate line and cable models for steady-state and transient studies" 2019 - Present: Member, CIGRE WG B1.70, "Recommendations for the use and the testing of optical fibres in submarine cable systems" 2018 - 2023: Affiliate Member, CIGRE WG B1.64, "Evaluation of losses in armoured three core power cables"
2015 - Present	Member, Onassis Scholar's Association
2010 - Present	Member, Technical Chamber of Greece
2008 - Present	Senior Member, Institute of Electrical and Electronics Engineers (IEEE) 2026 - Present: Member, IEEE WG P3990, "Guide for electromagnetic transient analysis and simulation of submarine power cables"

COMPETENCIES & SKILLS

Leadership	Define R&D project objectives, priorities, deliverables, and resource requirements Lead and oversee the work of 14 R&D engineers Coordinate more than 30 interdepartmental project managers Drive cross-functional product-development and innovation initiatives Communicate complex technical findings clearly to technical and nontechnical stakeholders
Core strengths	Results orientation and commitment to technical excellence Initiative, adaptability, and sound professional judgment Collaboration and teamwork Analytical problem-solving with close attention to detail

Software	Organization, agility, and effective time management
	MATLAB <i>Develop custom scripts and graphical user interfaces</i> <i>Apply numerical methods to curve fitting, differential equations, systems of nonlinear equations, optimization, and symbolic computation</i>
	COMSOL Multiphysics <i>Experienced in AC/DC, Heat Transfer, Fluid Flow, Chemical Species Transport, Mathematics, and Optimization modules</i>
	EMT <i>ATP, EMTP, PSCAD-EMTDC</i>
	CDEGS <i>Experienced with the MultiFields package</i>
	CDEGS MultiFields, CYMCAP, Cableizer, CYMGRD, Mathematica, NEPLAN, and OpenDSS

RESEARCH INTERESTS

Multiphysics modeling of power transmission lines, cables and accessories
Modeling and analysis of electromagnetic transients
Earth-conduction effects in overhead lines, cable systems and grounding grids
Power-line communications

RESEARCH OUTPUT

European and nationally funded research projects: 10
Theses: 5
Peer-reviewed book chapters: 1
Peer-reviewed journal papers: 42
Peer-reviewed conference papers: 72
Technical articles: 13
Invited talks: 7

RESEARCH IMPACT

Google Scholar	Citations: 1674, h-index: 23
Scopus	Citations: 1247, h-index: 20

REVIEWING ACTIVITY

Journal Reviewer	Multiple IEEE Transactions and journals published by Elsevier and IET
Conference Reviewer	IEEE PowerTech 2017, IPST 2023, CIGRE Session 2024, CIGRE Symposium 2025 in Norway, CIGRE Symposium 2025 in Canada, IPST 2025

TEACHING ACTIVITY

2011 - 2015	Teaching Assistant for 3 undergraduate courses
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2010 - 2017	Supervised 7 diploma theses
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FOREIGN LANGUAGES

English	C2, University of Michigan, ECPE C2, City & Guilds, IESOL & IESOL
German	C1, Goethe Institut, Zentrale Mittelstufenprüfung (ZMP)

AWARDS & SCHOLARSHIPS

2025	Award for achieving the sixth-highest GPA from the University of Macedonia in the MBA program's 30-year history
2017 - 2019	Postdoctoral scholarship from the State Scholarships Foundation of Greece
2015 - 2017	Two consecutive awards from the Thessaloniki Chamber of Commerce and Industry in support of graduate studies at the University of Macedonia
2016 - 2017	MBA scholarship from the Alexander S. Onassis Public Benefit Foundation
2015 - 2016	MBA scholarship from the University of Macedonia
2012 - 2015	PhD scholarship from the Alexander S. Onassis Public Benefit Foundation
2012 - 2013	Honorary PhD scholarship from the Research Committee of Aristotle University of Thessaloniki
2009	First-place award from the Technical Chamber of Greece for graduating from the School of Electrical and Computer Engineering at Aristotle University of Thessaloniki
2009	First-place award from the Public Power Corporation S.A. of Greece for graduating from the School of Electrical and Computer Engineering at Aristotle University of Thessaloniki
2005 - 2009	Four consecutive awards from the State Scholarships Foundation of Greece for the undergraduate studies at the School of Electrical and Computer Engineering in Aristotle University of Thessaloniki
2004 - 2009	Five consecutive honorary scholarships from the State Scholarships Foundation of Greece for the undergraduate studies at the School of Electrical and Computer Engineering in Aristotle University of Thessaloniki

PROFESSIONAL DEVELOPMENT

2025	28-day training course in Six Sigma DMADV Methodology (Black Belt)
2024	12-day training course in Six Sigma DMAIC Methodology (Black Belt)
2022	2-day seminar "EMTP - Renewable energy sources integration"
2018	3-day seminar "DNV-GL training course - HVDC power cables"
2017	2-day seminar "EMTP-RV - Power systems transients"
2017	16-hour seminar "Internal auditor for integrated management systems ISO 9001:2015 / ISO 14001:2015 / OHSAS 18001:2007"
2016	12-hour seminar "Multicriteria decision aid with PROMETHEE & GAIA. How to make better and more sustainable decisions"

2011	1-month seminar “Academic / professional use of English language. Conference techniques in English: Research article abstracts, conference presentations, research articles”
2008	2-month internship at Public Power Corporation S.A. of Greece

VOLUNTEERING

2024 - Present	Volunteer Mentor, The Tipping Point
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