

## FUNDING APPLICATION

### Section C – CV

#### C.1 CURRICULUM VITAE

##### Personal information

Name, Surname:	Alexandru, Salceanu
Nationality:	Romania
Researcher unique identifier(s) (ORCID, Researcher ID, etc.):	<a href="http://orcid.org/0000-0001-5776-8772">http://orcid.org/0000-0001-5776-8772</a> Web of Science Researcher ID: B-6307-2015 Scopus Author Identifier 6507995224 <a href="https://scholar.google.com/citations?user=bfm-WLsAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=bfm-WLsAAAAJ&amp;hl=en</a> IEEE Senior Member #80589958
URL for personal website (if case):	<a href="http://www.alexandrusalceanu.ro">http://www.alexandrusalceanu.ro</a> , <a href="http://www.demm.tuiasi.ro/en/users/profile/19">http://www.demm.tuiasi.ro/en/users/profile/19</a>

##### Education

Year	Faculty/department - University/institution - Country
1990-1997 (dissertation defended)	PhD studies, Faculty of Electrical Engineering, Technical University of Iasi, Romania
2005, 2010 and 2011	Post-university courses in the field of strategic management, organizational culture and leadership, and ISO standardization, completed at RENAR, the Romanian Accreditation Association
1975-1980	Bachelor's and Master's Studies, Faculty of Electrical Engineering, Technical University of Iasi, Romania

##### Positions - current and previous

*(Academic sector/research institutes/industrial sector/public sector/other)*

Year	Job title – Employer - Country
2024-present	<b>Director of the Doctoral University Studies Council of the Technical University Iasi (vice-rector)</b>
2016-2024	University Professor, <b>Head of Doctoral School</b> , Faculty of Electrical Engineering
1990-2024	Assistant Professor (1990-1996), Lecturer (1996-1999), Associated Professor (1999-2002), Professor (2002-until now),
2007-present	PhD supervisor, 19 PhD theses completed, currently 6 PhD students in coordination
1984-1990	Scientific Researcher and Principal Scientific Researcher III (The National Institute of Research and Development for Technical Physics, Iasi, Romania)
1980-1984	Design Engineer for automation systems, Enterprise “Nicolina” Iasi

##### Career breaks (if case)

Year	Reason
	No career breaks

## Project management experience

(Academic sector/research institutes/industrial sector/public sector/other. Please list the most relevant.)

Year	Project title - Role – Funder – Budget – link to project webpage
2005	Non-invasive microwave methods and techniques for the early detection of breast cancer – CANCERDET, CEEX-20/2005, Partner TUIASI responsible person, Budget 50000 lei, UEFISCDI
2006-2007	Laboratory for electrostatic discharge immunity tests - LIDES CEEX-M4-187/2006, <b>Project Manager</b> , Budget 297500 lei, UEFISCDI
2006-2007	Experimental research of cardiac magnetometry and mathematical analysis of cardiac magnetometric signals, MCG - CARDIOMAG, CEEX-M1-136/2006, <b>Partner TUIASI responsible person</b> , Budget 50000 lei, UEFISCDI
2006-2008	Supporting the integration of Romanian research in the field of electromagnetic pollution in relevant European networks, programs, and partnerships - INT-€-EM, CEEX-M3-226/2006, <b>Project Manager</b> , Budget 160000 lei, UEFISCDI
2007-2009	Development of the renewable energy generator-converter building concept, with high energy autonomy and accumulation in infrastructure and soil – RENERGHOME, PNCDI-PARTENERIATE- 5413P/2007 <b>Partner TUIASI responsible person</b> , Budget 160000 lei, UEFISCDI
2007-2009	New biomedical methods and techniques for non-invasive investigation, diagnosis and monitoring with non-ionizing electromagnetic radiation - BIOELECTRA, PNCDI-PARTENERIATE-5272P/2007, <b>Partner TUIASI responsible person</b> , Budget 100000 lei, UEFISCDI
2007-2009	New high-resolution biomagnetometric methods and techniques for biomedical investigation and diagnosis – BIOMAG, PNCDI-PARTENERIATE-5271P/2007, <b>Partner TUIASI responsible person</b> , Budget 100000 lei, UEFISCDI
2009-2010	Electronic management system for research and development documents and workflows, POS CCE-AXA II, COD SMIS-CNSR 2756, Nr. 30.11.2009, <b>Project Manager</b> , Budget 295000 lei, EU
2008-2011	POSDRU project, ” Doctoral Scholarships, an Investment in Intelligence (BRAIN)", ID 6681, <b>Long-term expert</b> , Budget 360.000.000 lei, EU
2009-2012	POSDRU project, ” Doctoral scholarships for research performance at the European level (EURODOC), ID 59410, <b>Long term expert</b> , Budget 380.000.000 lei, EU
2010-2013	POSDRU project, "Doctoral studies for European performance in research and innovation - QUANTUMDOC", ID 79407, <b>Long-term expert</b> , Budget 390.000.000 lei, EU
2011-2014	POSDRU project " Post-doctorate performance for integration into the European research area (PERFORMERA)", ID 57649, <b>Executive manager</b> , Budget 4.000.000.000 lei, EU
2012-2016	ESD protective garments made with core conductive fibres knitted in double-layer Call name: Joint Applied Research Projects - PCCA-2011 call, Type 2 PN-II-PT-PCCA-2011-3.2-0567, <b>Executive manager</b> , Budget 500000 lei, UEFISCDI
2016-2018	Advanced technologies to obtain 3D structures to be applied in security, Call name: P 2 - SP 2.1 - Knowledge transfer to the economic agent „Bridge Grant” PN-III-P2-2.1-BG-2016-0290, <b>Partner responsible person</b> , Budget 460.000 lei, UEFISCDI

## Other relevant professional experiences

(e.g. institutional responsibilities, organization of scientific meetings, membership in academic societies, review boards, advisory boards, committees, and major research or innovation collaborations, other commissions of trust in public or private sector)

Year	Description - Role
2000-2008	Head of Electrical Measurements Department, Faculty of Electrical Engineering, Technical University of Iasi, Romania
2008-2012	Dean of the Faculty of Electrical Engineering, Technical University of Iasi, Romania
2004-2011	Member of the Romanian National Council of Scientific Research in Higher Education, Engineering Sciences Commission
2010-2012	Member of the National Council for the Attestation of University Degrees, Diplomas and Certificates
2020-2024	Vice-president of University Senate
2016-until now	Head of Centre of Coordination of Doctoral Studies, Faculty of Electrical and Power Engineering Technical University of Iasi, Romania
2020-2024	President of the Board of Administration of APAVITAL SA Iasi (a company with more than 1500 employees).
2017-2023	Scientific secretary, deputy chairman, and chairman of International Measurement Confederation (IMEKO), Technical Committee 4
2018-until now	IMEKO treasurer
2012 until now	Member of Accreditation Board of RENAR, Romanian Accreditation Association
2008-until now	Director of the "Metrology, Measurement Systems and Innovative Materials-METROS" Research Center
2014-until now	Vice President of Romanian Measurement Society
2010-until now	Executive Guest Editor, Editorial Board Measurement, (I.F. 5.131), <a href="https://www.sciencedirect.com/journal/measurement/about/editorial-board">https://www.sciencedirect.com/journal/measurement/about/editorial-board</a>
2020-until now	Editorial Board Measurement: Food, <a href="https://www.sciencedirect.com/journal/measurement-food/about/editorial-board">https://www.sciencedirect.com/journal/measurement-food/about/editorial-board</a>
2020-until now	Editorial Board Measurement: Sensors, <a href="https://www.sciencedirect.com/journal/measurement-sensors/about/editorial-board">https://www.sciencedirect.com/journal/measurement-sensors/about/editorial-board</a>
2012-until now	Section Editor and member of Editorial Board ACTA IMEKO, <a href="https://acta.imeko.org/index.php/acta-imeko/about/editorialTeam">https://acta.imeko.org/index.php/acta-imeko/about/editorialTeam</a>
2021-until now	Journal Topics Board (Topic Editor) Materials <a href="https://www.mdpi.com/journal/materials/topic_editors">https://www.mdpi.com/journal/materials/topic_editors</a>
2020-until now	Editorial Board of Journal of Electrical and Electronic Engineering, <a href="http://www.eeejournal.org/editorialboard">http://www.eeejournal.org/editorialboard</a>
2019-until now	Editorial Board al Journal of Electronics and Advanced Electrical Engineering, <a href="https://journalofelectronics.org/journal/editorial_board/">https://journalofelectronics.org/journal/editorial_board/</a>
2015-until now	Member of Editorial Board, The Scientific Bulletin of Electrical Engineering Faculty, University Valahia of Targoviste, <a href="https://sciendo.com/journal/SBEEF?content-tab=editorial">https://sciendo.com/journal/SBEEF?content-tab=editorial</a>
2018-until now	Expert of International Electrotechnical Commission, TC106/JMT62209-3, "Methods for the assessment of electric, magnetic and electromagnetic fields associated with human exposure".

2022- until now	Member of expert team IEC/IEEE P62209-3™ for elaborating "Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices" (IEEE Standards Association).
2010- until now	Expert evaluator of Italian National Agency for the Evaluation of Universities and Research Institutes, MIUR (Italian Ministry of Education, University and Research); Expert evaluator of AQAS (Agency for Quality Assurance) Koln, registered in European Quality Assurance Register (EQAR); Expert evaluator of Slovak Research and Development Agency, SRDA; Expert evaluator al UEFISCDI (The Romanian Executive Unit for funding higher education, university research, and innovation).
2010- until now	Co-chairman and organizer of Electrical and Power Engineering International Conference (EPE), (included in IEEEExplore and WoS) of the last 8 editions, from 2010 until this year edition, 2024
2007- until now	Member of all the Scientific yearly held IMEKO TC 4 Symposia, General Chairman in 2017, Chairman of International Committee in 2019 and 2021, Award Chair in 2022, Scientific Chair in 2023;
2003- until now	International Conference SIELMEN, (included in IEEEExplore and WoS), Member of Scientific Committee since 2003 until now, in 2009 and 2011 editions, Conference Chairman
2023	International IMEKO Symposium on Measurement and Control in Robotics, Program chair;

## C.2 Track record of the last 10 years

1. **Salceanu A.**, Lunca E., Paulet M., 2017, *Affordable evaluation of low frequency electric fields from the standpoint of Directive 2013/35/EU*, **ACTA IMEKO, E-Journal** of the International Measurement Confederation (IMEKO), Vol. 6, No. 4, (December 2017) pp.37-45, ISSN 2221-870X, eid=2-s2.0-85040530856, DOI: [http://dx.doi.org/10.21014/acta\\_imeko.v6i4.486](http://dx.doi.org/10.21014/acta_imeko.v6i4.486)
2. **Salceanu A.**, Ursache S., Asiminicesei O.M., Lazarescu C., *Phasing Effect on the Electric Fields Generated by High Voltage Overhead Power Lines*, 2018, Proceedings of 10-th International Conference and Exposition on Electrical and Power Engineering, 18-19 October 2018, Iasi, Romania, pp 0759-0764, ISBN:978-1-5386-5062-2, ISSN: 2471-6855, **WOS:000458752200148** DOI: 10.1109/ICEPE.2018.8559881
3. **Salceanu A.**, Paulet M., Lunca E., 2018, *Upon the Effect of Transposed Phasing on the Magnetic Field Produced by Overhead Power Lines*, Proceedings of 10-th International Conference and Exposition on Electrical and Power Engineering, 18-19 October 2018, Iasi, Romania, pp 0755 – 0758, ISBN:978-1-5386-5062-2, ISSN: 2471-6855, DOI: 10.1109/ICEPE.2018.8559614, **WOS:000458752200147**
4. Lunca, E., Ursache, S., **Salceanu, A.** 2018, Computation and analysis of the extremely low frequency electric and magnetic fields generated by two designs of 400 kV overhead transmission lines, **Measurement Journal (IF 6,34, Q1)** Volume 124, August 2018, Pages 197-204, <https://doi.org/10.1016/j.measurement.2018.04.012>
5. **Salceanu A.**, Lunca E., Alistar B.D., Ursache S., 2019, Upon the influence of charge image on the electric field intensity Proceedings of the 12-th International Conference on Electromechanical and Power Systems, 10-11 October 2019, Chisinau, Rep. of Moldova, pp 213-218, Electronic ISBN: 978-1-7281-4011-7, DOI: 10.1109/SIELMEN.2019.8905895, **WOS:000630287500102**

6. **Salceanu A.**, Paulet M, Alistar B.D., Asiminicesei O., 2019, Upon the contribution of Image Currents on the magnetic Fields Generated by Overhead Power Lines, Proceedings of the 12-th International Conference on Electromechanical and Power Systems, 10-11 October 2019, Chisinau, Rep. of Moldova, pp 199-204, Electronic ISBN: 978-1-7281-4011-7, DOI: 10.1109/SIELMEN.2019, WOS:**000630287500088**
7. **Salceanu A.**,Vornicu S., Lunca E., Istrate M, 2020, Influence of High Voltage Bundle Configurations on Human Exposure, PROCEEDINGS of the 2020 International Conference and Expositions on Electrical and Power Engineering, 22-23 October 2020, Iasi, Romania, ISBN: 978-1-7281-8125-7, , ISSN: 2644-223X, pp. 657-661, doi: 10.1109/EPE50722.2020.9305635, eid=2-s2.0-85101999394
8. **Salceanu A.**, Paulet M.V, Neagu C.D., Bordeianu D.F., 2020, On the coupling influence of the relative position of human trunk with respect to the overhead high-voltage power line, ACTA IMEKO, E-Journal of the International Measurement Confederation (IMEKO), Vol. 9, No. 3, ISSN 2221-870X (Sept. 2020), pp.53-58, DOI: [http://dx.doi.org/10.21014/acta\\_imeko.v9i3.790](http://dx.doi.org/10.21014/acta_imeko.v9i3.790), eid=2-s2.0-85094104712
9. Fuior R, **Salceanu A.**, Luca C., Corciovă C., 2023, Internet of Things - New Insights, editor Dr. Maki K. Habib, ISBN 978-1-83768-988-0, Chapter "Application of Internet of Things (IoT) in Biomedicine: Challenges and Future Directions" DOI: 10.5772/intechopen.113178
10. Lunca, E., Vornicu, S.; **Salceanu, A.** 2023, Numerical and Analytical Analysis of the Low-Frequency Magnetic Fields Generated by Three-Phase Underground Power Cables with Solid Bonding. **Applied Sciences** 2023, (IF 2,7, Q2) 13, (10) 6328. <https://doi.org/10.3390/app13106328>

### C.3 Narrative CV

**274 citations, (for 85 papers WoS, 82 in Core Collection), h-index 10, according to Web of Science, 564 citations, (for 165 papers indexed), h-index 13, according to Scopus, 820 citations, (for 188 papers indexed) h-index 16, according to Google Scholar.**

**18 books as author (4 books (chapters) published abroad and 14 books (chapters) published in Romania) and 4 books as editor (3 international)**

**3 patents, indexed in Derwent Innovation, Clarivate Analytics**

**A total of 274 scientific papers, including:**

19 papers in Journals with impact factor (ISI-Web of Science Core Collection, Clarivate Analytics);

22 papers published in International Scientific Journals

36 papers published in Romanian Scientific Journals, acknowledged by the Romanian National Council for Scientific Research

139 Proceedings papers indexed in International Data Bases, as follows:

63 indexed in Web of Science Core Collection,

76 indexed in other databases, representative for the electric domain-IEEEExplore, Scopus,

57 papers published in the Proceedings of International Conferences (44 organized abroad, 13 organized in Romania)

Active reviewer for 18 International Scientific Journals (13 WoS with Impact Factor, 5 BDI):

- Sensors and Actuators Journal, Elsevier (IF 4.6),
- Materials (IF 3.4),
- Sensors (IF 3,9),
- Actuators (IF 1,957),
- Energy (IF 2,702),
- Electronics (IF 2,412),
- Applied Sciences (IF 2.474),
- Computers (IF 2.8),

- IEEE Sensors Journal (IF 4.3),
  - Measurement Journal, Elsevier (IF 5.131),
  - Electrical Engineering, Springer (IF 2.35),
  - IET Science, Measurement & Technology (IF 1.517),
  - IEEE Access (IF 3.9),
  - Measurement Science Review, Official Journal of Institute of Measurement Science, Slovak Academy of Sciences,
  - ACTA IMEKO,
  - Bulletin of the Polytechnic Institute of Iasi,
  - Annals of the University of Craiova,
  - Scientific Bulletin of the Faculty of Electrical Engineering - Valahia University
- Member of the Scientific Committees (program committees) and reviewer at 7 International Scientific Conferences,
- ATEE International Symposium on Advanced Topics in Electrical Engineering, member since 2011 until now)
  - International Conference on the Management of Technological Changes,
  - METROLOGY AND METROLOGY ASSURANCE Conference, Bulgaria, since 2017, yearly
  - WESC-WORLD ENERGY SYSTEM CONFERENCE
  - International scientific committee of ICAEER 2021 (The 2021 6th International Conference on Advances in Energy and Environment Research).
  - International Conference on Applied and Theoretical Electricity, ICATE
  - System Analysis and Intelligent Systems for Business and Management, March 23–24, 2023, Kiev, Ukraine

May 2024

Prof. Alexandru Sălceanu