# Dosar de concurs pentru funcția de Director al Consiliului pentru Studiile Universitare de Doctorat (CSUD) de la IOSUD-Universitatea Tehnică ”Gheorghe Asachi” din Iași

Numele şi prenumele: **Sălceanu Alexandru**

Funcţia didactică: Prof. dr. ing.

**Facultatea**: Inginerie Electrică, Energetică și Informatică Aplicată

**Departamentul**: Măsurări Electrice și Materiale Electrotehnice

**2024**

# OPISUL DOSARULUI

## de concurs pentru funcția de Director al Consiliului pentru Studiile Universitare de Doctorat (CSUD) de la IOSUD-Universitatea Tehnică ”Gheorghe Asachi” din Iași

Numele şi prenumele: **Sălceanu Alexandru**
Funcţia didactică: Profesor universitar
Facultatea de **Inginerie Electrică, Energetică și Informatică Aplicată**
Departamentul de **Masurari Electrice si Materiale Electrotehnice**

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Prof.dr.ing. Alexandru Sălceanu

**DOMNULE RECTOR,**

Subsemnatul, prof.dr.ing. Alexandru Salceanu, cu domiciliul în Iasi, str. Belvedere nr. 16 A, tel. 0721571325, e-mail: alexandru.salceanu@academic.tuiasi.ro, cadru didactic la Universitatea Tehnica "Gheorghe Asachi" din Iași, Facultatea Inginerie Electrica, Energetica si Informatica Aplicata, Departamentul Masurari Electrice și Materiale Electrotehnice, vă rog să-mi aprobaţi înscrierea la concursul pentru ocuparea funcţiei de Director al Consiliului pentru Studiile Universitare de Doctorat (CSUD) din cadrul IOSUD-Universitatea Tehnică „Gheorghe Asachi" din Iaşi.

Anexez dosarul de concurs care contine următoarele documente:

- CV Europass, redactat atât în limba română, cât şi în limba engleză;
- Lista de activități științifice (articole, cărţi, brevete, proiecte de cercetare etc.), redactată în limba română;
- Copii „*CONFORM CU ORIGINALUL*" după actele de studii și certificatele relevante;
- Fişa de verificare a criteriilor minimale;
- Memoriul de activitate științifică, redactat atât în limba română, cât şi în limba engleză.

17.06.2024 Prof.dr.ing. Alexandru Salceanu

**Curriculum vitae Europass**

**Informatii personale**

| | |
|---|---|
| Nume/pren | **Sălceanu/ Alexandru**<br>http://www.alexandrusalceanu.ro,<br>https://www.researchgate.net/profile/Alexandru_Salceanu<br>https://www.brainmap.ro/alexandru-salceanu<br>https://www.linkedin.com/in/alexandru-salceanu-5988049/<br>https://scholar.google.com/citations?user=bfn-WLsAAAAJ&hl=en<br>http://orcid.org/0000-0001-5776-8772<br>Web of Science Researcher ID: B-6307-2015, UEFISCDI ID (UEF-ID): U-1700-027F-8589, Scopus AU-ID 6507995224<br>**IEEE Senior Member #80589958** |
| Adresa | Str. Belvedere, nr 16 A, 700555, Iasi, Romania |
| Telefon | +40332416901, (acasă) Mobil: +40721571325<br>+40232701157, (birou) |
| Fax | +40332416901 |
| E-mail | asalcean@tuiasi.ro, alexandru.salceanu@academic.tuiasi.ro, salceanualexandru@yahoo.com |
| Nationalitate | Româna |
| Data nașterii | 14.11.1955 |
| Sex | Masculin |

**Poziția**

- **Profesor Universitar, Facultatea de Inginerie Electrica, Energetica si Informatica Aplicata, Universitatea Tehnică ”Gheorghe Asachi” din Iași**
- **Director al Consiliului pentru Studii Universitare de Doctorat al Universității Tehnice ”Gheorghe Asachi” din Iași**
- **Officer(trezorier) al International Measurement Confederation, IMEKO**

**Experiența profesională**

| | |
|---|---|
| Perioada | De la 1 Martie 2002 până în prezent: |
| Poziția | **Profesor Universitar (O.M. 4901/2002)** |
| Perioada | 1 Martie1999, 28 Februarie 2002 |
| Poziția deținută | Conferențiar Universitar (O.M. 3782/1999) |

| | |
|---|---|
| Perioada | 1 Martie1996, 28 Februarie 1999 |
| Poziția deținută | Șef lucrări |
| Perioada | 1 Octombrie1990, 28 Februarie1996 |
| Poziția deținută | Asistent universitar |
| Activități principale și responsabilități profesionale | Cercetare și activități didactice în domeniile Măsurărilor Electrice, (Bio)Compatibilitate Electromagnetică și Conformitate, Standardizare, Certificare |
| **Angajator** | Universitatea Tehnică ”Gheorghe Asachi” din Iași**,** Bulevardul Profesor Dimitrie Mangeron 67 |
| Tipul de activități | Curs și aplicații în domeniile Măsurări Electrice și Electronice , Inginerie și management (Conformitate, Standardizare, Certificare) |
| Perioada | 1 Aprilie 1984, 30 Septembrie 1990 |
| Poziția deținută | Inginer tehnolog, Cercetător științific III |
| Activități princip. și responsabilități profesionale | Activități de proiectare și cercetare în domeniul magnetometriei |
| **Angajator** | Institutul National de Cercetare și Dezvoltare pentru Fizică Tehnică, Bulevardul. Prof.Dimitrie Mangeron 47, Iasi, Romania |
| Perioada | 1 Septembrie1980, 30 Martie 1984 |
| Poziția deținută | Inginer stagiar |
| Activități principale și responsabilități profesionale | Activități de întreținere, reparații și proiectare a instalațiilor de automatizări industriale |
| **Angajator** | Intreprinderea Mecanică Nicolina Iaşi, Romania |
| **Educație și Formare** | |
| Perioada | 2011 |
| Calificarea dobândită | **Limba Engleză, Cambridge Certificate numbers 0030622382 si 0030620838 din 11.05.2011** |
| Organizația de educație | University of Cambridge, ESOL Examinations |
| Perioada | 2011 |
| Calificarea dobândită | **Cursuri postuniversitare "Cultură organizațională și leadership".** |
| Organizația de educație | Universitatea Tehnică ”Gheorghe Asachi” din Iași**,** Blvd. Prof.Dimitrie Mangeron 67, CETEX |

| | |
|---|---|
| Perioada | 2010 |
| Calificarea dobândită | **Cursuri postuniversitare " Management Strategic".** |
| Organizația de educație | Universitatea Tehnică ”Gheorghe Asachi” din Iași**,** Blvd. Prof.Dimitrie Mangeron 67, CETEX |
| Perioada | 2006 |
| Calificarea dobândită | **Cursuri postuniversitare "ISO / IEC 17025: 2005-referential pentru acreditarea laboratoarelor de testare/calibrare"** |
| Organizația de educație | Asociația de Acreditare din Romania, Renar București |
| Perioada | 15 Octombrie 1990- 4 Iulie 1997 |
| Calificarea dobândită | **Doctor în domeniul inginerie electrică, 4 Iulie 1997; (O.M. 5374 / 20.11.1997) Conducător științific de studii doctorale, Ordinul Ministrului Educației, Cercetării și Tineretului no.4963 din 31.07.2008** |
| Organizația de educație | Universitatea Tehnică ”Gheorghe Asachi” din Iași**,** Blvd. Prof.Dimitrie Mangeron 67, |
| Nivelul în clas. naționale și internaționale | Nivel ISCED=6 |
| Perioada | 1986-1987 |
| Calificarea dobândită | Curs postuniversitar "Electronică aplicată", absolvit cu media 10(zece) |
| Organizația de educație | Universitatea Tehnică ”Gheorghe Asachi” din Iași**,** Blvd. Prof.Dimitrie Mangeron 67 |
| Perioada | 1975-1980 |
| Calificarea dobândită | **Facultatea de Electrotehnică, Secția Electronică și Telecomunicații, media generală de absolvire 9.86 (media 10 la examenul de diplomă, sesiunea iunie 1980)** |
| Organizația de educație | Universitatea Tehnică ”Gheorghe Asachi” din Iași**,** Blvd. Prof.Dimitrie Mangeron 67 |
| Nivelul în clas. naționale și internaționale | Nivel ISCED=5 |
| Perioada | 1966-1974 |
| Calificarea dobândită | **Studii preuniversitare, Șef de promoție (media generala a celor 4 ani de liceu 9,96, media 10 la examenul de bacalaureat, Sesiunea iunie 1974)** |
| Organizația de educație | Colegiul Național (Liceul) "Mihai Eminescu" din IAŞI |
| Nivelul în clasific. naționale și internaționale | Nivel ISCED=3 |
| **Competențe personale** | |

Limba maternă **Română**

Limbi străine

| Auto-evaluare | | **Înțelegere** | | | | **Vorbire** | | | | **Scriere** | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Cadrul european comun de referință pentru limbi străine* | | Ascultare | | Citire | | Participare la conversație | | Discurs oral | | Exprimare în scris | |
| **Engleza** | Certificate numerele 0030622382 și 0030620838 **Cambridge ESOL** | **C2** | **Utilizator experimentat** | **C2** | **Utilizator experimentat** | **C2** | **Utilizator experimentat** | **C2** | **Utilizator experimentat** | **C 2** | **Utilizator experimentat** |
| **Franceza** | | C1 | Utilizator experimentat | C1 | Utilizator experimentat | C1 | Utilizator experimentat | C1 | Utilizator experimentat | C 1 | Utilizator experimentat |
| **Germana** | | A2 | Utilizator elementar | A2 | Utilizator elementar | A2 | Utilizator elementar | A2 | Utilizator elementar | A 2 | Utilizator elementar |

Competențe sociale și de comunicare

Bun communicator, implicat în proiecte sociale,
**Președinte al Rotary Club Iasi 2000 (2009-2010),Membru al RC Iasi 2000 din 2004 până în prezent**
**Consilier Judetean, Secretar (2000-2004) și Președinte (2004-2008) al comisiei de Cultură și Educație a Consiliului Județean Iași**
**Director executiv al SETIS – Asociația Absolvenților Facultății de Electrotehnică din Iași (din 2016 până în prezent)**
Membru al Consiliului Parohial al Parohiei Toma Cozma din Iasi (din 2011 până în prezent)
Peste 3500 parteneri pe Facebook și peste 1800 pe LinkedIn

| | |
|---|---|
| Competențe organizatio-nale/ manageriale | Bun organizator, spirit de echipă, bun manager:<br>Șef de catedră (department), Departamentul de Măsurări Electrice și Materiale Electrotehnice, 2000-2008(două mandate)<br>**Decan al facultății de Inginerie Electrică, Energetică și Informatică Aplicată, 2008-2012**<br>Director al Centrului de Cercetare Metros (Centru de excelență, acreditat de CNCSIS), din 2008 până în prezent<br>Membru al Consiliului de Administrație a Universității Tehnice: 2008-2012, 2024-prezent<br>**Membru al Senatului Universității Tehnice "Gheorghe Asachi" 4 mandate: 2004-2008, 2008-2012 și 2016-2020, 2020- 2024**<br>**Vicepresedinte al Senatului Universitatii, din 2020-2024**<br>Membru CNCSIS (Consiliul National al Cercetării Științifice în Învățământul Superior, Comisia Științe Inginerești, 2004-2010<br>Membru al CNATDCU, Comisia de Inginerie Electrică: 2010-2012<br>**Membru al Consiliului de Acreditare RENAR: 2013- până în prezent**<br>Membru al IMEKO TC-4 din 2007- până în prezent<br>Membru al IMEKO General Council, reprezentantul Romaniei, 2015- până în 2019.<br>Secretar Științific al IMEKO Technical Committee 4, 2015-2018<br>Deputy chairman (Presedinte executive) al IMEKO Technical Committee 4 (2018-2019)<br>**Chairman (Presedinte) al IMEKO (International Measurement Confederation),Technical Committee 4, septembrie 2019- 2022**<br>**IMEKO Officer, Trezorier, din September 2018- până în prezent**<br>**Director al Centrului de Coordonare al Programelor Doctorale, Facultatea de Inginerie Electrică, Energetică și Informatică Aplicată, din 2016- 2024.**<br>**Director al Consiliului pentru Studii Universitare de Doctorat, 2024-prezent** |
| Competențe digitale | Utilizator independent: LabVIEW, Matlab si Simulink, Quick Field, FEMM, Comsol, CST Studio, Ansys. |
| Alte competențe | Istoria Evului Mediu, Principatul Moldova |
| Permis de conducere | 1975, categoria B |

## Informații suplimentare:

**Autor sau coautor: un total de 274 lucrări științifice si 21 cărți publicate, din care:**

- **85 lucrări indexate pe Web of Science (82 in Core Collection) și citate de 274 ori, ISI Web of Science Hirsch Index = 10;**
- **165 lucrări indexate in Scopus și citate de 564 ori, Scopus Hirsch Index = 13;**
- **188 lucrări indexate pe Google Scholar și citate de 820 ori, Google Scholar Hirsch Index = 16;**
- **3 brevete și 2 Diplome de Aur la Saloanele Internaționale "Inventica" 2010 și "New Time"2011**

**din care:**

-4 carti (capitole) + 3 carti (editor) publicate peste hotare;
-13 carti (capitole) + 1 carte (editor) publicate in Romania;
-19 lucrari publicate in jurnale cu factor de impact (ISI-WoS Core Collection-Clarivate Analytics);
-23 lucrari publicate in jurnale internationale, indexate în Baze de Date Internaționale (BDI)
-36 lucrari publicate in jurnale naționale, recunoscute de CNCSIS, B +, indexate în Baze de Date Internaționale (BDI)
-139 lucrări prezentate (și publicate în volumele de Proceedings) ale Conferintelor Internaționale, indexate BDI, din care:

- 63 indexate în Baza de Date Web of Science Core Collection,

- 76 indexate în alte baze de date internaționale, reprezentative pentru domeniul Inginerie electrică - IEEEXplore, Scopus,

-57 lucrări prezentate (și publicate în volumele de Proceedings) ale Conferintelor Internationale, din care:

- 44 în volumele conferințelor internaționale organizate în străinătate,
- 13 în volumele conferințelor internaționale organizate în Romania

**Conducător științific a 17 teze de doctorat finalizate si confirmate prin ordin de ministru; Pentru o a 18-a teza sunt în curs de derulare procedurile de sustinere publica, alte 6 teze fiind în etape de finalizare și pregatire a sustinerii publice.**

**Recunoastere națională și internațională, expert-evaluator național și internațional:**

- **Director (sau responsabil din partea partenerului Universitatea Tehnică Gheorghe Asachi) in 3 + 5 = 8 granturi de cercetare obținute prin competiție.**
- **Membru în echipa de realizare a 24 granturi cu finanțare internațională sau națională.**
- **Expert evaluator al Italian National Agency for the Evaluation of Universities and Research Institutes**, MIUR (Italian Ministry of Education, University and Research);
- **Expert evaluator al AQAS (Agency for Quality Assurance) Koln,** agenție înregistrată în European Quality Assurance Register (EQAR);
- **Expert evaluator al Slovak Research and Development Agency, SRDA;**
- **Expert evaluator al UEFISCDI (Unitatea executivă pentru finanțarea învățământului superior, a cercetării și inovării).**

**Membru în 12 societăți științifice sau profesionale:**

- **Officer (Trezorier) al IMEKO (International Measurement Confederation), www.imeko.org/index.php/organization**
- **Senior Member IEEE**, număr membru 80589958),
- **Director al Centrului de cercetare "Metrologie, Sisteme de Măsurare și Materiale Inovative-METROS",**
- **Vicepreședinte al Societății Române de Măsurări,**
- **Membru al Consiliului de Acreditare RENAR,**
- **Director executiv al SETIS (Asociația absolventilor Facultății de Electrotehnică din Iași),**
- **Președinte al Consiliului de Administrație al SC APAVITAL SA Iasi,**
- **(Past) chaiperson al Comitetului Tehnic 4 al IMEKO,** www.imeko.org/index.php/tc4-homepage/tc4-members,
- **Membru al IEEE IMS TC13** (Wireless & Telecommunication in Measurements),
- **Membru ACER** (Asociația Română de Compatibilitate Electromagnetică),
- **Membru AGIR** (Asociația Generală a Inginerilor din România), număr 61875,
- **Membru de onoare al Academiei Româno-Americane de Arte și Științe.**

**Chairman la 4 Conferinte internationale, indexate IEEExplore și Elsevier Scopus**

- Electrical and Power Engineering International Conference (EPE), Co-chairman al ultimelor 7 ediții, din 2010 pană în prezent;
- Simpozioanele anuale Imeko TC-4, (membru al Comitetului Științific internațional din 2007 pana azi, Chairman in 2017, Chairman al International Committee in 2019 si 2021, Award Chair in 2022, Scientific Chair in 2023);
- International Symposium on Measurement and Control in Robotics, 2023, Program chair;
- International Conference SIELMEN, Conference chairman in 2009 și 2011, membru al Comitetului Științific din 2003 până în prezent.

**Membru al Comitetelor Științifice (comitete de program) si recenzor la 7 Conferințe Șiințifice Internaționale,**

- ATEE International Symposium on Advanced Topics in Electrical Engineering, membru din 2011 până în prezent)

- International Conference on the Management of Technological Changes,
- METROLOGY AND METROLOGY ASSURANCE Conference, Bulgaria, incepand din 2017, in fiecare an
- 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

**Recenzor pentru: 18 Reviste Internaționale (13 WoS cu Factor de impact, 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, Jurnalul oficial al Institute of Measurement Science, Slovak Academy of Sciences,
- ACTA IMEKO,
- Bulletin of the Polytechnic Institute of Iasi,
- Analele Universității Craiova,
- Buletinul Științific al Facultății de Inginerie Electrică - Universitatea Valahia

**Membru al Comitetului Științific (Editorial) a 8 reviste stiințifice internaționale (din care 2 sunt cu factor impact WoS si 6 sunt BDI):**

- Executive Guest Editor, Editorial Board Measurement, (I.F. 5.131), https://www.sciencedirect.com/journal/measurement/about/editorial-board
- Editorial Board Measurement:Sensors, https://www.sciencedirect.com/journal/measurement-sensors/about/editorial-board
- Editorial Board Measurement:Food, https://www.sciencedirect.com/journal/measurement-food/about/editorial-board
- Journal Topics Board (Topic Editor) Materials (Impact Factor 3.057), https://www.mdpi.com/journal/materials/topic_editors
- Section Editor și membru al Editorial Board ACTA IMEKO, https://acta.imeko.org/index.php/acta-imeko/about/editorialTeam
- Editorial Board al Journal of Electronics and Advanced Electrical Engineering, https://journalofelectronics.org/journal/editorial_board/
- Editorial Board of Journal of Electrical and Electronic Engineering, http://www.eeejournal.org/editorialboard
- Editorial Advisory Board, The Scientific Bulletin of Electrical Engineering Faculty, The Scientific Bulletin of Electrical Engineering Faculty, University Valahia of Targoviste, https://sciendo.com/journal/SBEEF?tab=editorial-board

**Membru în grupul de lucru pentru IEC/IEEE P62209-3™** ”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).
**Expert al International Electrotechnical Commission, TC106/JMT62209-3,** ”Methods for the assessment of electric, magnetic and electromagnetic fields associated with human exposure”.

Iunie 2024 Prof. Alexandru Sălceanu

**CURRICULUM VITAE**

**Personal information**

| | | | |
|---|---|---|---|
| Name, Surname: | Alexandru, Salceanu | | |
| Date of birth: | 14-th November 1955 | Sex: | Male |
| Nationality: | Romania | | |
| Researcher unique identifier(s) (ORCID, Researcher ID, etc.): | http://orcid.org/0000-0001-5776-8772<br>Web of Science Researcher ID: B-6307-2015<br>Scopus Author Identifier 6507995224<br>https://scholar.google.com/citations?user=bfn-WLsAAAAJ&hl=en<br>IEEE Senior Member #80589958 | | |
| URL for personal website (if case): | http://www.alexandrusalceanu.ro,<br>http://www.demm.tuiasi.ro/en/users/profile/19 | | |

**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 | **Director of the Doctoral University Studies Council of the Technical University Iasi (vice-rector)** |
| 2016-2024 | University Professor**, Head of Doctoral School**, 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<br>CEEX-M4-187/2006, **Project Manager**, Budget 297500 lei, UEFISCDI |
| 2006-2007 | Experimental research of cardiac magnetometry and mathematical analysis of cardiac magnetometric signals, MCG - CARDIOMAG, CEEX-M1-136/2006, **Partner TUIASI responsible person**, 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,<br>**Project Manager**, 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 **Partner TUIASI responsible person**, 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, **Partner TUIASI responsible person**, Budget 100000 lei, UEFISCDI |
| 2007-2009 | New high-resolution biomagnetometric methods and techniques for biomedical investigation and diagnosis – BIOMAG, PNCDI-PARTENERIATE-5271P/2007, **Partner TUIASI responsible person**, 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, **Project Manager**, Budget 295000 lei, EU |
| 2008-2011 | POSDRU project," Doctoral Scholarships, an Investment in Intelligence (BRAIN)", ID 6681, **Long-term expert**, Budget 360.000.000 lei, EU |
| 2009-2012 | POSDRU project," Doctoral scholarships for research performance at the European level (EURODOC), ID 59410, **Long term expert**, Budget 380.000.000 lei, EU |
| 2010-2013 | POSDRU project, "Doctoral studies for European performance in research and innovation - QUANTUMDOC", ID 79407**, Long-term expert**, Budget 390.000.000 lei, EU |
| 2011-2014 | POSDRU project " Post-doctorate performance for integration into the European research area (PERFORMERA)", ID 57649, **Executive manager**, Budget 4.000.000.000 lei, EU |
| 2012-2016 | ESD protective garments made with core conductive fibres knitted in double-layer<br>Call name: Joint Applied Research Projects - PCCA-2011 call, Type 2<br>PN-II-PT-PCCA-2011-3.2-0567, **Executive manager,** 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"<br>PN-III-P2-2.1-BG-2016-0290, **Partner responsible person,** Budget 460.000 lei, UEFISCDI |
| 2024-until now | Coordinator WP6-INGENIUM for Research, project with title: „INGENIUM Alliance of European Universities", cod ERASMUS-EDU-2022-EUR-UNIV, grant agreement project ID 101090042 |

**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), https://www.sciencedirect.com/journal/measurement/about/editorial-board |
| 2020-until now | Editorial Board Measurement: Food, https://www.sciencedirect.com/journal/measurement-food/about/editorial-board |
| 2020-until now | Editorial Board Measurement: Sensors, https://www.sciencedirect.com/journal/measurement-sensors/about/editorial-board |
| 2012-until now | Section Editor and member of Editorial Board ACTA IMEKO, https://acta.imeko.org/index.php/acta-imeko/about/editorialTeam |
| 2021-until now | Journal Topics Board (Topic Editor) Materials https://www.mdpi.com/journal/materials/topic_editors |
| 2020-until now | Editorial Board of Journal of Electrical and Electronic Engineering, http://www.eeejournal.org/editorialboard |
| 2019-until now | Editorial Board al Journal of Electronics and Advanced Electrical Engineering, https://journalofelectronics.org/journal/editorial_board/ |
| 2015-until now | Member of Editorial Board, The Scientific Bulletin of Electrical Engineering Faculty, University Valahia of Targoviste, https://sciendo.com/journal/SBEEF?content-tab=editorial |
| 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”. |

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|---|---|
| 2022-<br>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-<br>until now | Expert evaluator of Italian National Agency for the Evaluation of Universities and Research Institutes, MIUR (Italian Ministry of Education, University and Research);<br>Expert evaluator of AQAS (Agency for Quality Assurance) Koln, registered in European Quality Assurance Register (EQAR);<br>Expert evaluator of Slovak Research and Development Agency, SRDA;<br>Expert evaluator al UEFISCDI (The Romanian Executive Unit for funding higher education, university research, and innovation). |
| 2010-<br>until now | Co-chairman and organizer of Electrical and Power Engineering International Conference (EPE), (included in IEEExplore and WoS) of the last 8 editions, from 2010 until this year edition, 2024 |
| 2007-<br>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-<br>until now | International Conference SIELMEN, (included in IEEExplore 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
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, 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.**
**17 books as author (4 books (chapters) published abroad and 13 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);
23 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-IEEEXplore, 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

June 2024 Prof. Alexandru Sălceanu

# Lista de lucrari (mai 2024)

**Salceanu Alexandru**
http://orcid.org/0000-0001-5776-8772
**Researcher ID: B-6307-2015**
Scopus AU-ID 6507995224

Centralizing:

- ✓ **17 books as author**( 4 books (chapters) published abroad and 13 books (chapters) published in Romania) and **4 books as editor** (3 international)
- ✓ **3 patents,** indexed in **Derwent Innovation, Clarivate Analytics**
- ✓ **274 scientific papers, (la 89 doctoranzii mei sunt coautori) including:**
- **19 papers** in Journals with impact factor (ISI-Web of Science Core Collection, Clarivate Analytics);
- **23 papers** published in International Scientific Journals
- **36 papers** published in Romanian Scientific Journals, acknowledged by Romanian National Council for Scientific Research
- **139 Proceedings papers indexed in International Data Bases**, as it follows:
  - 63 indexed în Web of Science Core Collection,
  - 76 indexed in other Data Bases, representative for the electric domain-IEEEXplore, Scopus,
- **57 papers published** in the Proceedings of International Conferences (44 organized abroad, 13 organized in Romania)

- ➢ **274 citations**, (for 85 papers WoS, 82 in Core Collection), ***h-index 10, according to Web of Science,***
- ➢ **564 citations**, (for 165 papers indexed) according **to www.scopus**, ***h-index 13, according to Scopus***
- ➢ **820 citations, (**for 188 papers indexed**) *h-index 16, according to Google Scholar***
- ➢ **A=7747.86 (merit indicator, according to OMECS 6129/2016)**

***A.* Teza de doctorat**

Theoretical and experimental researches on Preisach type modeling of soft magnetic materials, 240 pages, Iaşi, 4 July 1997

**B. *Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate*: 7, 4(Autor)+3 (Editor)**

| | |
|---|---|
| **1.** | International collective, 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" by Robert Fuior, **Alexandru Sălceanu**, Cătălina Luca and Călin Corciovă, DOI: 10.5772/intechopen.113178 |
| **2.** | Editors **Salceanu A.**, Qing He, Lazarescu C., 2019, *Proceedings of 23-rd IMEKO TC 4 International Symposium*, 17-20 September 2019, Xi'an, China, © 2019 – IMEKO, 268 pp, ISBN 978-606-13-5238-8, 2019, |
| **3.** | **Editors Salceanu A.,** Fosalau C., 2017**,** *Proceedings of the 22nd IMEKO TC-4 International Symposium „Supporting World Development Through Electrical & Electronic Measurements"and 20th International Workshop On Adc Modelling And Testing*, |

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|---|---|
| | September 14-16, 2017, Iasi, Romania, © 2017 – IMEKO, 537 pp, ISBN 978-606-13-3975-4 |
| **4.** | V. David, **Salceanu A.**, R. G. Ciorap, 2013, Acquisition and Analysis of Biomedical Signals in Case of Peoples Exposed to Electromagnetic Fields, Pp. 269-295, Pervasive and Mobile Sensing and Computing for Healthcare. Technological and Social Issues, Springer Berlin Heidelberg, ISBN: 978-3-642-32537-3 (Print) 978-3-642-32538-0 (Online). |
| **5.** | Editors Cretu **M., Salceanu A.,** 2007**,** *IMEKO TC-4 International Workshop on ADC Modelling and Testing*, , © 2017 – IMEKO, 145 pp, ISBN 978-973-667-264-4 |
| **6.** | **International collective**, 2002, *Electromagnetic Compatibility. Theory Manual* (**Salceanu A.,** Chapter 8,"ESD & Transient Problems" şi **Salceanu A.,** Chapter 12, "ESD & Transient Tests"), Warwick University Press, 229-252; 307-321, ISBN 0 90 2683 54 3 |
| **7.** | **International collective ,** 2002, *Electromagnetic Compatibility. Practical Manual* (**Salceanu A.**, Ch. 4, "EMC Management & Company Awareness"), Warwick University Press, 35-56, ISBN 0 90 2683 55 1 |

**C.** ***Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în ţară, la edituri recunoscute CNCSIS (sau CNCS)*****: 12 (11 coautor, 1 Editor)**

| | |
|---|---|
| 1. | Neacşu O., **Salceanu A**., Păuleţ M., 2019, Software de birotica, Editura PIM, Iași, 212 pagini, ISBN 978-606-13-4816-9 |
| 2. | Luncă E., **Salceanu A,** 2018, *Zgomote şi interferenţe în instrumentaţie. Aplicaţii,* Editura PIM, Iaşi, 156 pagini, ISBN 978-606-13-4699-8 |
| 3. | **Salceanu A.**, Luncă E., Neacsu O., Paulet M., Ursache S., 2015, *Compatibilitate electromagnetică. Aplicaţii,* , Editura PIM, Iaşi, 206 pagini, ISBN 978-606-13-2812-3 |
| 4. | Andrei Marinescu-Editor, 2014, Electromagnetic Compatibility/ Electromagnetic Field. Research and Development in Romania, Ed. A.G.I.R., , Electrical-Power Engineering Series, ISBN-978-973-720-521-6.- Chapter- **A. Salceanu**, E. Lunca, O. Beniuga, O. Neacsu, S. Ursache-"Works and Walks in ESD, developed at the Faculty of Electrical Engineering"- pp.112-118 |
| 5. | **Editor Salceanu A**., 2014, Dragomir Hurmuzescu, *Electricitatea*, Editura Universității "Alexandru Ioan Cuza", 391 pagini, ISBN 978-973-703-801-2 |
| 6. | David V., **Salceanu A.**, Creţu E., 2005, *Măsurări în biomedicină şi ecologie. Aplicaţii*, Editura Setis, Iaşi, 220 pagini, ISBN 973-86764-3-6 |
| 7. | **Salceanu A.**, Creţu M., Sărmăşanu C., 2003, *Zgomote şi interferenţe în instrumentaţie, Ediţia a II-a*, Editura Cermi, Iaşi, 260 pagini, ISBN 973-8188-64-4 |
| 8. | Breniuc L., Creţu M., **Salceanu A.**, 2002, *Proiectarea cu microcontrolere 8051, Teorie şi aplicaţii*, Editura „Gh.Asachi", Iaşi, 188 pagini, ISBN 973-8292-63-8 |

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| 9. | **Salceanu A.**, Creţu M., Breniuc L., 2002, *Materiale magnetic moi, Modelare Preisach si aplicaţii*, Editura Cermi, Iaşi, 250 pagini, ISBN: 973-8188-06-7 |
| 10. | Colectiv, coordonator Creţu M., 2001, *Tendinţe novatoare în instrumentaţie şi măsurări electrice* (capitolului VII, **Salceanu A.**, "Noi aplicaţii ale modelării Preisach cu alunecare în studiul materialelor magnetice"), Editura Sedcom Libris, Iasi, 168-190, ISBN 073-8028-76-0 |
| 11. | **Salceanu A.**, Creţu M., Sărmăşanu C., 1999, *Zgomote şi interferenţe în instrumentaţie*, Editura Cermi, Iaşi, 240 pagini, ISBN: 973-9378-56-2 |
| 12. | Sărmăşanu C., Creţu M., **Salceanu A.**, 1998, *Senzori şi traductoare pentru roboţi*, Editura CIA, Bucureşti, 179 pagini, ISBN 973-97272-3-9 |

**E.** ***Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web.***

| | |
|---|---|
| 1. | **Salceanu A**., *Teste de preconformitate în domeniul EMC-ESD*, 2015, 152 pagini, http://iota.ee.tuiasi.ro/~asalcean |
| 2. | **Salceanu A**., Zgomote și Interferențe în instrumentație, 2020, 296 pagini, http://www.alexandrusalceanu.ro/curs.php |

**F.** ***Lucrări ştiinţifice publicate în reviste cotate ISI sau indexate în baze de date internaţionale: 42 (19 in reviste cotate WoS)***

| | |
|---|---|
| 1. | Tetyana Gordiyenko, Ihor Pototskyi, Oleh Velychko, Iurii Kuzmenko, **Alexandru Salceanu**, Expert assessment of competences and learning results for master's according to higher education standard in information and measurement technologies, ISTCMTM 2024, Volume 85(1), Number 1, pp.42-49 https://doi.org/10.23939/istcmtm2024.01.042 |
| 2. | Tetyana Gordiyenko, Ihor Pototskyi, Oleh Velychko, Iurii Kuzmenko, **Alexandru Salceanu**, Expert assessment of the competencies and results of bachelor's study according to the standard of higher education in information and measurement technologies, Measuring equipment and metrology. Vol. 84, No. 4, 2023, pp 30-38, https://doi.org/10.23939/istcmtm2023.04. |
| 3. | Lunca, E.; Vornicu, S.; **Sălceanu, A**. Numerical and Analytical Analysis of the Low-Frequency Magnetic Fields Generated by Three-Phase Underground Power Cables with Solid Bonding. *Appl. Sci.* **2023**, *13*, (10) 6328. https://doi.org/10.3390/app13106328 |
| 4. | Tetyana Gordiyenko, Oleh Velychko, **Alexandru Salceanu**, 2023, Comparative Analysis of Expert Evaluation of Quality Criteria of The Educational Program for The Field of Computer-Integrated Technologies, ISTCMTM 2023; Volume 84(1): pp. 32-36, https://doi.org/10.23939/istcmtm2023.01.032 |
| 5. | Andritoi Doru, Luca Catalina, Ilie, O. Calin, C. Robert, F., **Salceanu Alexandru,** Daniel-Andrei, I., 2022, The Use of Modern Technologies in Post-COVID-19 Cardiopulmonary Rehabilitation. Appl. Sci. 2022, 12, 7471. https://doi.org/10.3390/ app12157471, Impact Factor in 2022, **2.838, eISSN:2076-3417** |
| 6. | Marius-Vasile Ursachianu, Ovidiu Bejenaru, Catalin Lazarescu, **Alexandru Salceanu**, 2021, *Experimental study on SAR reduction from cell phones*, E-Journal of the |

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|---|---|
| | International Measurement Confederation (IMEKO), Vol. 10, No. 2, ISSN 2221-870X (June 2021), pp.147-152, DOI: http://dx.doi.org/10.21014/acta_imeko.v10i2.1055 |
| 7. | Marius-Vasile Ursăchianu, **Alexandru Sălceanu**, "Estimation of the Electromagnetic Pollution in Urban Residential Areas from City of IASI using the National Autonomous EMF Monitoring System", THE BULLETIN OF THE POLYTECHNIC INSTITUTE FROM IAŞI CHEMISTRY and CHEMICAL ENGINEERING Section, published by "GHEORGHE ASACHI" TECHNICAL UNIVERSITY of Iaşi, ISSN: 2537 - 2947, ISSN-L: 0254 - 7104, 2021. |
| 8. | Roman, Mădălina and **Sălceanu, Alexandru,** "*Web Tool for Stimulating Investments in Rooftop Photovoltaic Systems*" 2021, Bulletin of the Polytechnic Institute of Iași, Electrical Engineering, Power Engineering, Electronics Section, vol.67, no.3, 2021, pp.33-44. https://doi.org/10.2478/bipie-2021-0015 |
| 9. | **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*, 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, eid=2-s2.0-85094104712 |
| 10. | Bejenaru O., Lazarescu C., Paulet M.V., **Salceanu A.**, Ursachianu M.V., 2020, *Factors Influencing the Distribution of Maximum Specific Absorption Rates in Far Field Human Exposure Scenarios* E-Journal of the International Measurement Confederation (IMEKO), Vol. 9, No. 3, ISSN 2221-870X ( Sept. 2020), pp. 59-64, DOI: http://dx.doi.org/10.21014/acta_imeko.v9i3.794, eid=2-s2.0-85094170890 |
| 11. | **Salceanu A.**, D'Arco M., Tamburis O. 2020, *Introductory notes for the Acta IMEKO Special Issue on the "23rd Symposium on Measurement of Electrical Quantities" and "International Workshop on Metrology for Agriculture and Forestry – 2019*, E-Journal of the International Measurement Confederation (IMEKO), Vol. 9, No. 2, ISSN 2221-870X ( June 2020), pp.1-2, http://dx.doi.org/10.21014/acta_imeko.v9i2.899, eid=2-s2.0-85091858492 |
| 12. | Lunca, E., Ursache, S., Salceanu, A. Computation and analysis of the extremely low frequency electric and magnetic fields generated by two designs of 400 kV overhead transmission lines, Measurement Journal, Volume 124, August 2018, Pages 197-204, https://doi.org/10.1016/j.measurement.2018.04.012, Impact Factor for 2018: 2.218 |
| 13. | **Salceanu A.,** Anghel M.A., Iacobescu F., Poenaru M.M., 2018,*Vickers hardness quality assessment through interlaboratories comparison*, Journal of Physics: Conf. Series 1065 (2018), ISSN: 17426588, 052025, doi:10.1088/1742-6596/1065/5/052025, eid=2-s2.0-85057440942 |
| 14. | Anghel M.A., **Salceanu A.,** Iacobescu F., Poenaru M.M., 2018, *Flow rate quality assessment through interlaboratories comparison*, Journal of Physics: Conf. Series 1065 (2018), ISSN: 17426588, 052028 IOP Publishing doi:10.1088/1742-6596/1065/5/052028, eid=2-s2.0-85057437293 |
| 15. | Sandu I-A., **Salceanu A**., Bejenaru O., 2018, *New approach of the Customer Defects per Lines of Code metric in Automotive SW Development applications*, Journal of Physics: Conf. Series 1065 (2018), ISSN: 17426588, 052006 doi:10.1088/1742-6596/1065/5/052006, eid=2-s2.0-85057498497 |
| 16. | Lunca E., Vornicu S., **Salceanu A.,** and Bejenaru O., 2018, *2D Finite Element Model for computing the electric field strength-rms generated by overhead power lines*, Journal of Physics: Conf. Series 1065 (2018), ISSN: 17426588, 052024 doi:10.1088/1742-6596/1065/5/052024, eid=2-s2.0-85057476890 |
| 17. | **Salceanu A.,** Palfi V., 2018, *Introductory notes for the Acta IMEKO Special Issue on the "22-nd Symposium on Measurement of Electrical Quantities" and the "20-th* |

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|---|---|
| | *Workshop on ADC/DAC Modelling and Testing"*, E-Journal of the International Measurement Confederation (IMEKO), Vol. 7, No. 4 ( December 2018), pp.1-2, ISSN 2221-870X, www.scopus.com |
| 18. | Ursache S., Lunca E., **Salceanu A.,** Pavel,I 2018 "*Analysis upon the influence of the current drawn by the appliance on the close magnetic field*" Acta IMEKO E-Journal of the International Measurement Confederation (IMEKO), Vol. 7, No. 4 (December 2018), pp.70-74, ISSN 2221-870X, DOI: 10.21014/acta_imeko.v7i4.598 www.scopus.com, eid=2-s2.0-85060370472 |
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| 20. | Riess, C., Walter, M.S.J., Weiherer, S., Haas, T.S., **Salceanu, A.,** 2018, *"Heating an electric car with a biofuel operated heater during cold seasons– design, application and test"*, Acta IMEKO E-Journal of the International Measurement Confederation (IMEKO), Vol. 7, No. 4 ( December 2018), pp.48-54, ISSN 2221-870X, www.scopus.com, eid=2-s2.0-85060370683, DOI: http://dx.doi.org/10.21014/acta_imeko.v7i4.578 |
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| 183 | **Salceanu A.**, Baltag O., Costandache D., 1998, *Toroidal Fluxgate Sensors Compared in Dynamic Preisach Framework*, Abstract Digest of The 7th European Magnetic Materials and Applications Conference, EMMA'98, Zaragoza, Spain, 248 |
| 184 | Baltag O., Costandache D., Cotae C., **Salceanu A.**, 1998, *Tilt Measurement Sensor*, Proccedings of The Second European Conference on Magnetic Sensors & Actuators, EMSA'98, Sheffield, Great Britain, 162 |
| 185 | Baltag O., Craus M.L., Costandache D., Craus C.B., **Salceanu A.**, 1998, *Study of a Magnetic Field Sensor with Nanocrystalline Materials*, Proccedings of The Second European Conference on Magnetic Sensors & Actuators, EMSA'98, Sheffield, Great Britain, 127 |
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| 189 | **Salceanu A.**, Baltag O., Costandache D., 1998, *Virtual Hysteresisgraph for Magnetic Tests of Strips and Wires under Stress*, Proccedings of The Second European Conference on Magnetic Sensors & Actuators, EMSA'98, Sheffield, Great Britain, 158-159 |
| 190 | Ciobanu O., Cretu M., **Salceanu A.**, 1998, *Technique for residual stress measurement in ferromagnetic steels*, Proceedings of the International Computer Science Conference MICROCAD'98, Section B, Volume Metallurgia, Miskolc, 63-64 |
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| 192 | **Salceanu A.**, Apopei V., 1998, *Comparison between Two Models of Iron Losses calculation for Ferro-Silicon Plates*, Proceedings of the International Computer Science Conference MICROCAD'98, Volume Measurement and Automation, Miskolc, 35-38 |
| 193 | **Salceanu A.**, 1997, *Program general de determinare şi testare a funcţiei de distribuţie Preisach*, Lucrările Primei Conferinţe Internaţionale de Sisteme Electromecanice, SIELMEC'97, volumul II, Chişinău, 224-227, ISBN 9975-910-22-X |
| 194 | **Salceanu A.**, 1997, *Model tip Preisach de evaluare a pierderilor prin histerezis*, Lucrările Primei Conferinţe Internaţionale de Sisteme Electromecanice, SIELMEC'97, volumul II, Chişinău, 219-222, ISBN 9975-910-22-X |
| 195 | **Salceanu A.**, 1997, *Metodă de identificare şi modelare a componentelor reversibile ale magnetizaţiei*, în cadrul Preisach cu deplasare, Lucrările Primei Conferinţe Internaţionale de Sisteme Electromecanice, SIELMEC'97, volumul II, Chişinău, 215-218, ISBN 9975-910-22-X |

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| 196 | Vremera E., Zet C., **Salceanu A.**, 1997, *Virtual RF Power Meter Using Bolometer Sensor and GP-IB Instruments*, Proceedings of the International Symposium on Signals, Circuits and Systems SCS'97, Iasi, 503-506 |

**J. Inventii:3**

| | |
|---|---|
| 1 | Ciobanu R.C., Constantinescu G.C., **Salceanu A**., 2014, Compoziţie pe bază de polimeri sintetici şi naturali şi procedeu de obţinere a acesteia, brevet de invenţie principală România **RO 125161 B1**, **indexat în baza de date Derwent Innovation, Clarivate Analytics** |
| 2 | Chriac H., **Salceanu A**., Barnea R., *Convertor analog numeric paralel*, brevet de invenţie principală România **RO 101187 A**, **indexat în baza de date Derwent Innovation, Clarivate Analytics** |
| 3 | Chriac H., **Salceanu A.**, Barnea R., Convertor analog numeric rapid, paralel-serie-paralel, brevet de invenţie principală România **RO 101215-A**, **indexat în baza de date Derwent Innovation, Clarivate Analytics** |

**K. Contracte de cercetare: 8 (3 director, 5 responsabil partener TUIASI), la alte 24 de contracte de cercetare fiind membru in echipa cu diverse responsabilitati manageriale și științifice.**

| **Programul/Proiectul** | **Funcţia** | **Valoare** | **Perioada:** de la-până la |
|---|---|---|---|
| Sistem de gestiune electronica a documentelor si fluxurilor de lucru din cercetare dezvoltare, POS CCE-AXA II, COD SMIS-CNSR 2756, Nr. 30.11.2009 | **Director proiect** | 295.000 | 2009 |
| Dezvoltarea conceptului de clădire generator-convertor de energie regenerabilă, cu autonomie energetică ridicată şi acumulare în infrastructură şi sol – RENERGHOME, PNCDI-PARTENERIATE-5413P/2007 | Responsabil, partener TUIASI | 100.000 | 2007-2009 |
| Noi metode şi tehnici biomedicale de investigare, diagnosticare si monitorizare neinvazivă cu radiaţii electromagnetice neionogene - BIOELECTRA, PNCDI-PARTENERIATE-5272P/2007 | Responsabil, partener TUIASI | 100.000 | 2007-2009 |
| Noi metode şi tehnici biomagnetometrice de înaltă rezoluţie pentru investigare şi diagnosticare biomedicală – BIOMAG, PNCDI-PARTENERIATE-5271P/2007 | Responsabil, partener TUIASI | 100.000 | 2007-2009 |
| Metode si tehnici neinvazive cu microunde pentru detecţia timpurie a cancerului de sân – CANCERDET, CEEX-20/2005 | Responsabil, partener TUIASI | 50.000 | 2005-2006 |
| Cercetări experimentale de magnetometrie cardiacă şi analiză matematică a semnalelor magnetometrice cardiace MCG - CARDIOMAG, CEEX-M1-136/2006 | Responsabil, partener TUIASI | 100.000 | 2006-2007 |
| Susţinerea integrării cercetării româneşti în domeniul poluării electromagnetice în reţele, programe şi parteneriate europene de profil - INT-€-EM, CEEX-M3-226/2006 | **Director proiect** | 160.000 | 2006-2008 |

| | | | |
|---|---|---|---|
| Laborator pentru încercări de imunitate la descărcări electrostatice - LIDES<br>CEEX-M4-187/2006 | **Director proiect** | 297.500 | 2006-2008 |

**M. Alte realizări semnificative**

- ✓ Instalaţie automată pentru trasarea caracteristicilor materialelor magnetic moi, pilotată de calculator, ITCM –01 şi ITCM-02, însoţită de omologarea Standardului Tehnic de Ramură asociat;
- ✓ Fluxmetru integrator cu afişaj numeric, de Joasă Frecvenţă, IFM-01, însoţit de omologarea Standardului Tehnic de Ramură asociat;
- ✓ Instalaţie semiautomată pentru măsurarea caracteristicilor de magnetizare ale materialelor magnetic moi;
- ✓ Fluxmetru de vârf, pentru Înaltă Frecvenţă, IFMV-01, însoţit de omologarea Standardului Tehnic de Întreprindere asociat;
- ✓ Sistem multicanal de achiziţie pentru semnale lent variabile, SMAJ-01 şi 02, însoţită de omologarea Standardului Tehnic de Întreprindere asociat;
- ✓ Gaussmetru cu sondă Hall (model experimental şi omologare prototip) ;
- ✓ Fluxmetru real de valori efective, IFME-01, însoţit de omologarea Standardului Tehnic de Întreprindere asociat;
- ✓ Sistem automat de supraveghere şi menţinere a flăcării (cu senzor de ionizare), aplicat la cuptoarele cu gaz metan din Secţia de Turnătorie a Fabricii;
- ✓ Instalaţie electrică de comandă şi control a motopompei de beton produse în acea perioadă la “Nicolina”;
- ✓ Sistem electronic de programare şi dozare automată aplicat la centrala de beton (echipată cu doze tensometrice);
- ✓ Sistem electronic de programare şi control a planeităţii, aplicat la instalaţiile de mixturi asfaltice (tip NPK 01,02).

**Experienţă în proiecte europene (POSDRU şi POSCCE):**

- Coordonator WP6-INGENIUM for Research in cadrul proiectului cu titlul: „***INGENIUM Alliance of European Universities***”, cod ERASMUS-EDU-2022-EUR-UNIV, grant agreement project ID 101090042
- Expert pe termen lung in proiectul ***„Formarea cadrelor didactice universitare şi a studenţilor în domeniul utilizării unor instrumente moderne de predare-învăţare-evaluare pentru disciplinele matematice, în vederea creării de competenţe performante şi practice pentru piaţa muncii”***, ID 32768
- Expert pe termen lung, membru in Panelul 3 al proiectului „***Calitate şi Leadership pentru învăţământul superior românesc***”, ID 2684
- Expert pe termen lung in proiectul POSDRU „***Burse doctorale pentru performanţă în cercetare la nivel European (EURODOC)***,” ID 59410
- Director executiv in proiectul POSDRU "***Performanta prin post-doctorat pentru integrarea in aria europeana de cercetare (PERFORMERA)***" , ID 57649
- Expert pe termen lung în proiectul POSDRU „***BURSE DOCTORALE, O INVESTIŢIE ÎN INTELIGENŢĂ (BRAIN)***”, ID 6681
- Expert tip A în proiectul POSDRU/2/2.1 Învaţă pentru cariera ta, „***Acces la un viitor de succes***”

- Expert pe termen lung in proiectul POSDRU „***Studii doctorale pentru performante europene in cercetare si inovare - CUANTUMDOC"*** **- ID 79407**
- Expert pe termen lung in proiectul POSDRU/90/2.1/S/64210, contractor Miscarea Romana pentru Calitate.

Iunie 2024

Prof. dr. ing. Alexandru Salceanu

REPUBLICA SOCIALISTĂ ROMÂNIA

MINISTERUL EDUCAȚIEI ȘI ÎNVĂȚĂMÂNTULUI

Loc pentru timbru sec

# DIPLOMA DE BACALAUREAT

*Pe baza rezultatelor examenului de bacalaureat care a avut loc în* sesiunea IUNIE 1974 *la Liceul* NR.2 „M.EMINESCU" *din* localitatea IAȘI, *județul* IAȘI, *se acordă* absolventului SĂLCEANU P. ALEXANDRU *care a terminat cursurile* Liceului NR.2 „M.EMINESCU" *din* IAȘI *în anul școlar* 1973/1974, *prezenta* DIPLOMĂ DE BACALAUREAT *pentru secția* REALĂ.

PREȘEDINTELE COMISIEI,

L.S Albold

Semnătura titular....., Salceanu

Seria H Nr. 66030

Nr. 2724/1974

*Data eliberării: anul* 1974 *luna* iulie *ziua* 3

MINISTERUL EDUCAȚIEI ȘI ÎNVĂȚĂMÂNTULUI

# SITUAȚIA ȘCOLARĂ

în cei patru ani de liceu și de la examenul de bacalaureat a absolventului SĂLCEANU P. ALEXANDRU, născut ..... în anul 1955
luna NOIEMBRIE, ziua 14, în localitatea IAȘI, județul IAȘI
fiul ..... lui PAVEL și a TAMARA,

| OBIECTELE | Anul I [6] an școlar 1970/1971 Liceul nr. 2 „N. Gunescu" din Iași | Anul II [6] an școlar 1971/1972 Liceul nr. 2 „N. Gunescu" din Iași | Anul III [6] an școlar 1972/1973 Liceul nr. 2 „N. Gunescu" din Iași | Anul IV [6] an școlar 1973/1974 Liceul nr. 2 „N. Gunescu" din Iași |
|---|---|---|---|---|
| Limba și literatura română | 9 77/noua 35/ | 9 50/nouă 50/ | 9 65/nouă 66/ | 10/zece/ |
| Limba și ilteratura [1] | | | | |
| Limba [2] engleza | 10/zece/ | 10/zece/ | 10/zece/ | 10/zece/ |
| Limba [3] franceza | 10/zece/ | 10/zece/ | | |
| Limba latină | 10/zece/ | | | |
| Istoria | 10/zece/ | 10/zece/ | 10/zece/ | 10/zece/ |
| Economia politică | | | 10/zece/ | |
| Filozofia și socialismul științific | | | | 10/zece/ |
| Psihologia și logica | | | | 9 83/nouă 83/ |
| Istoria literaturii universale | | | | |
| Matematica | 10/zece/ | 10/zece/ | 10/zece/ | 10/zece/ |
| Astronomia | | | | |
| Fizica și lucrări de laborator | 9 50/nouă 50/ | 9 83/nouă 83/ | 9 88/nouă 88/ | 10/zece/ |
| Chimia | 10/zece/ | 10/zece/ | 10/zece/ | 10/zece/ |
| Științele biologice | 9 91/nouă 91/ | 10/zece/ | 10/zece/ | 10/zece/ |
| Geografia | 10/zece/ | 10/zece/ | ~ | 10/zece/ |
| Pregătirea tehnică productivă | | | f. bine | f. bine |
| Desenul | 10/zece/ | 10/zece/ | | |
| Muzica | 10/zece/ | | | |
| Educația fizică | 10/zece/ | 10/zece/ | 10/zece/ | 10/zece/ |
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| Purtarea | 10/zece/ | 10/zece/ | 10/zece/ | 10/zece/ |

LA EXAMENUL DE BACALAUREAT

Liceul nr. 2 „N. Gunescu"
din Iași
sesiunea iunie anul 1974
secția reală

| | |
|---|---|
| Literatura română | 10/zece/ |
| Limba [5] | |
| Literatura [1] | |
| Istoria patriei | |
| Filozofia și socialismul științific | |
| Matematica | 10/zece/ |
| Fizica | 10/zece/ |
| Chimia | |
| Științele biologice | |
| | |
| | |
| | |
| MEDIA GENERALĂ | 10/zece/ |

PREȘEDINTELE COMISIEI,
Abrel. L.S.

SECRETAR,
Ibanu

DIRECTOR,
L.S. Gr. Cristofor

SECRETAR [4],
Ibanu

I. P. „Buletinul Oficial" II — c. 6522

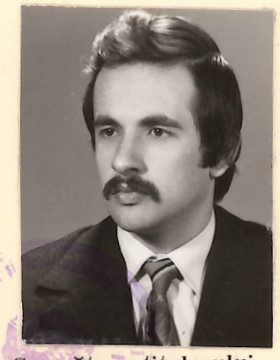
MINISTERUL EDUCAȚIEI ȘI ÎNVĂȚĂMÎNTULUI

Nr. 432605
(Minister)

REPUBLICA SOCIALISTĂ ROMÂNIA

**INSTITUTUL POLITEHNIC „GHEORGHE ASACHI"**
**DIN IAȘI**
FACULTATEA DE ELECTROTEHNICĂ

# DIPLOMĂ



Semnătura titularului,
Sălceanu

*In baza hotărîrii Comisiei pentru examenul de diplomă din sesiunea* IUNIE *anul* 1980

SĂLCEANU P. ALEXANDRU

*născut* în anul 1955, luna noiembrie, ziua 14, în localitatea Iași, județul Iași,

*a obținut*

*DIPLOMA DE INGINER*

*în profilul* Electric

*specializarea* Electronică și telecomunicații

*cu media* 10 (zece) *la examenul de diplomă.*

*I se eliberează prezenta diplomă pentru a se bucura de toate drepturile acordate de legile în vigoare.*

RECTOR,

DECAN,

Secretar șef,

Nr. 22470/17 octombrie 1980
(Institut)

Prezenta diplomă este însoțită de anexa de studii.

REPUBLICA SOCIALISTĂ ROMÂNIA

UNIVERSITATEA

INSTITUTUL POLITEHNIC IAŞI

FACULTATEA ELECTROTEHNICA

Specializarea: Electronică şi tc.

Grupa opţională: Electron.aplic.

# NOTELE

OBŢINUTE ÎN TIMPUL ŞCOLARITĂŢII DE ABSOLVENTUL

SALCEANU P. ALEXANDRU fiul lui PAVEL şi TAMARA

ANEXĂ la Diploma nr. 432605/22470-1980

Anul I (1975/1976)

| Nr. crt. | DISCIPLINA | Notele | | |
|---|---|---|---|---|
| | | Ex. | Alte forme de verificare | Pr. |
| 1 | Analiza matematică | 1o, | 1o - | - |
| 2 | Matematici speciale | 1o, | 1o- | - |
| 3 | Chimie | - | 1o | - |
| 4 | Tehnologie | - | 9,1o | - |
| 5 | Programare pe calc. | - | 1o | - |
| 6 | Fizica | - | 1o | - |
| 7 | Mec.şi rezist.mat. | 1o | - | - |
| 8 | Desen tehnic | - | 7 | - |
| 9 | Filozofie | 1o | - | - |
| 10 | Limba engleză | - | 1o | - |
| 11 | Practica productivă | | | |
| 12 | an - vară | - | 1o | - |
| 13 | | | | |
| 14 | - promovat - | | | |

ANUL II (1976/1977)

| Nr. crt. | DISCIPLINA | Notele | | |
|---|---|---|---|---|
| | | Ex. | Alte forme de verificare | Pr. |
| 1 | Matematici spec. | 8 | - | - |
| 2 | Teh.electronică | - | 1o | - |
| 3 | Fizica | 1o | - | - |
| 4 | Mec.şi rez.mater. | 1o | - | - |
| 5 | Bazele electroteh. | 1o, | 1o- | - |
| 6 | Mecanisme | - | 9 | - |
| 7 | Dispoz.şi circ.el. | 9 | - | - |
| 8 | Economie politică | 1o | - | - |
| 9 | Limba engleză | - | 1o | - |
| 10 | Educaţia fizică | - | sc.med | - |
| 11 | Practica product. | - | 1o | - |
| 12 | | | | |
| 13 | - promovat - | | | |
| 14 | | | | |

ANUL III (1977/1978)

| Nr. crt. | DISCIPLINA | Notele | | |
|---|---|---|---|---|
| | | Ex. | Alte forme de verificare | Pr. |
| 1 | Matematici speciale | - | 1o | - |
| 2 | Mec.şi elem.constr. | | | |
| 3 | de mecanică fină | 1o | - | 1o |
| 4 | Măs.el.şi electron. | 9 | 1o | - |
| 5 | Dispoz.şi circ.el. | 7 | - | 1o |
| 6 | Maşini electrice | - | 1o | - |
| 7 | Mat.teoria fiabilit. | 1o | 1o | - |
| 8 | Semn.circ.semnale | 8 | - | - |
| 9 | Circ.integ.dig.lin. | 1o | - | - |
| 10 | Teoria transm.infor | - | 1o | - |
| 11 | Socialism ştiinţif. | 1o | - | - |
| 12 | Prob.ale ist.patriei | - | 1o | - |
| 13 | Activ.de producţie | - | 1o | - |
| 14 | - promovat - | | | |

ANUL IV (1978/1979)

| Nr. crt. | DISCIPLINA | Notele | | |
|---|---|---|---|---|
| | | Ex. | Alte forme de verificare | Pr. |
| 1 | Teoria transm.inf. | 1o | - | - |
| 2 | Circuite integrate | 1o | - | - |
| 3 | Televiziune | 1o | - | - |
| 4 | Electronică indust. | 9 | - | 1o |
| 5 | Echip.şi ap.electr. | 1o | - | - |
| 6 | Tehnica micround. | 1o | - | - |
| 7 | Teh.modernă a com. | 1o | - | - |
| 8 | Construcţia calcul. | - | 9 | - |
| 9 | Semnale,circ.sist. | - | 1o | - |
| 10 | Ap.electron.de măs. | | | |
| 11 | şi control | - | 1o | - |
| 12 | Psihosociolog.muncii | - | 9 | - |
| 13 | Activ.cercet.proic. | - | 1o | - |
| 14 | - promovat - | | | |

I. P. „Buletinul Oficial" II — c. 6091

ANUL V 1979/1980)

ANUL VI (19...../19.....)

| Nr. crt. | DISCIPLINA | Notele Ex. | Alte forme de verificare | Pr. | Nr. crt. | DISCIPLINA | Notele Ex. | Alte forme de verificare | Pr. |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Tehnologie | 10 | - | - | 1 | | | | |
| 2 | Org.şi cond.intrep. | 10 | - | - | 2 | | | | |
| 3 | Sist.inform.şi ana- | | | | 3 | | | | |
| 4 | liza economică | - | 10 | - | 4 | | | | |
| 5 | Electronică medic. | 10 | - | - | 5 | | | | |
| 6 | Activ.cercetare - | | | | 6 | | | | |
| 7 | proiectare | - | 10 | - | 7 | | | | |
| 8 | Autom.şi echipente | | | | 8 | | | | |
| 9 | electron.de autom. | 10 | - | - | 9 | | | | |
| 10 | - promovat - | | | | 10 | | | | |
| 11 | | | | | 11 | | | | |
| 12 | | | | | 12 | | | | |
| 13 | | | | | 13 | | | | |
| 14 | | | | | 14 | | | | |

**EXAMENUL DE DIPLOMĂ**

Sesiunea iunie 1980 nota 10(zece)

**RECTOR,**
Prof.dr.ing.Mihai Gafiţanu

**Decan,**
Conf.ing.Aurel Popovici

*Secretar Şef,*
Elena Cristache

Seria P Nr. 0006248

ROMÂNIA
MINISTERUL ÎNVĂȚĂMÂNTULUI
UNIVERSITATEA TEHNICA
„GH. ASACHI" DIN IASI

T.S.

# DIPLOMĂ DE DOCTOR

UNIVERSITATEA TEHNICA „GH. ASACHI" DIN IASI

*în urma susținerii tezei de doctorat la data de* 4. 07. 1997 *,pe baza avizării* CONSILIULUI NAȚIONAL DE ATESTARE A TITLURILOR DIPLOMELOR ȘI CERTIFICATELOR UNIVERSITARE *din ziua de* 30-31. 10. 1997 *,aprobată prin Ordinul ministrului învățământului nr.* 5374 *din* 20. 11. 1997 *,*

*conferă*

*D.* lui SĂLCEANU P. ALEXANDRU *,*

*născut în anul* 1955 *, luna* noiembrie *, ziua* 14 *, în localitatea* Iași *, județul* Iași *, țara* România

**TITLUL DE DOCTOR** INGINER

ROMANIA MINISTERUL EDUCAȚIEI NAȚIONALE Universitatea Tehnică „GH. ASACHI" RECTORAT

L.S.

RECTOR,

*Nr.* 987 / 10. 12. 1997



17–6–12

MINISTERUL EDUCAȚIEI ȘI ÎNVĂȚĂMÂNTULUI

Seria D Nr. 2017

REPUBLICA SOCIALISTĂ ROMÂNIA

MINISTERUL EDUCAȚIEI ȘI ÎNVĂȚĂMÂNTULUI

INSTITUTUL POLITEHNIC IAȘI

(instituția de învățământ superior)

FACULTATEA .....

# DIPLOMĂ DE ABSOLVIRE

SĂLCEANU P. ALEXANDRU

născut în anul 1955 luna NOIEMBRIE ziua 14

în localitatea IAȘI județul IAȘI, încadrat la C.F.T. - IAȘI

a absolvit cursurile postuniversitare,

în domeniul de specializare ELECTRONICA APLICATĂ

în anul universitar 1986/87 cu media generală 10,00

RECTOR,

L.S.

Secretar șef,

Nr. 415

Data eliberării: anul ..... luna ..... ziua .....

I.P.B.O. II — c. 20781

C. G. Nr. 514/1981 — Cod. 17.6.14/1985

RENAR

ASOCIAȚIA DE ACREDITARE DIN ROMÂNIA
ORGANISMUL NAȚIONAL DE ACREDITARE
CENTRUL DE FORMARE ŞI PERFECȚIONARE
PENTRU ACREDITARE

# *Certificat*

**Domnul**

**Alexandru SĂLCEANU**

**UNIVERSITATEA TEHNICĂ "GH. ASACHI" IAŞI**
**IAŞI**

a participat la cursul cu tema:

***„Prezentarea cerințelor ISO / CEI 17025 : 2005 - referențial pentru acreditarea laboratoarelor de încercări / etalonări "***

desfăşurat la Bucureşti în perioada

**12-13 decembrie 2006**

**Lector,**
**Ing. Vasile TĂNASE**

**Director General,**
**Drd. Ing. Cristian Dorin NICHITA**

Asociația de Acreditare din România RENAR 3

Nr.21316/ C13/ 13.12.2006

Seria I Nr. 0002658

**ROMÂNIA**

MINISTERUL EDUCAȚIEI, CERCETĂRII, TINERETULUI ȘI SPORTULUI

**UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI**

# CERTIFICAT DE ABSOLVIRE

L.S.

*Dl* **Sălceanu P. Alexandru**,
*născut în anul* 1955, *luna* NOIEMBRIE, *ziua* 14,
*în localitatea* IAȘI, *județul* IAȘI,
*țara* ROMÂNIA, *a absolvit cursurile postuniversitare de perfecționare cu durata de* 42 (patruzeci și două) de ore,
*în specializarea* MANAGEMENT STRATEGIC UNIVERSITAR

*și a susținut colocviul la data de* 19 decembrie 2010

*Titularului acestui certificat i se acordă toate drepturile legale.*

RECTOR,

L.S.

SECRETAR ȘEF,

DECAN,

Nr. 2146/05.04.2011

Certificatul este însoțit de foaia matricolă

Semnătura titularului



17 - 6 - 13

Seria I Nr. 0002735

**ROMÂNIA**

MINISTERUL EDUCAȚIEI, CERCETĂRII, TINERETULUI ȘI SPORTULUI

**UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI**

# CERTIFICAT DE ABSOLVIRE

L.S.

*D-l* **Sălceanu P. Alexandru**,
*născut în anul* 1955, *luna* NOIEMBRIE, *ziua* 14,
*în localitatea* IAȘI, *județul* IAȘI,
*țara* ROMÂNIA, *a absolvit cursurile postuniversitare*
*de perfecționare cu durata de* 30 (treizeci) de zile,
*în specializarea* CULTURĂ ORGANIZAȚIONALĂ ȘI LEADERSHIP

*și a susținut colocviul la data de* 18 februarie 2011

*Titularului acestui certificat i se acordă toate drepturile legale.*

RECTOR,

L.S.

DECAN,

SECRETAR ȘEF,

Nr. 2237 / 28.02.2012

Certificatul este însoțit de foaia matricolă

Semnătura titularului



17 - 6 - 13

# UNIVERSITY of CAMBRIDGE
## ESOL Examinations

### English for Speakers of Other Languages

## Cambridge ESOL Level 1 Certificate in ESOL International*

This is to certify that

**ALEXANDRU SALCEANU**

has achieved

**Council of Europe Level B2**

| | |
|---|---|
| Date of Examination | **MARCH (A6) 2011** |
| Place of Entry | **IASI** |
| Reference Number | **113RO0045121** |
| Accreditation Number | **501/1423/2** |

M. Milanovic

**Michael Milanovic**
**Chief Executive**

*This level refers to the UK National Qualifications Framework

Date of Issue 11/05/11

Certificate Number 0030622382

Ofqual

Llywodraeth Cynulliad Cymru
Wales Assembly Government

cea
Rewarding Learning

**Situația doctoranzilor coordonați de Prof. dr.ing. Sălceanu Alexandru**

**17 Doctori ingineri cu confirmare prin ordin ministru**

| Nr. Crt. | NUME SI PRENUME | Data admitere | Data sustinere teza | Nr. Ordin confirmare | Data confirmarii |
|---|---|---|---|---|---|
| 1. | Bîșcă G. Narcis-Cătălin | 01.10.2008 | 28.10.2011 | 6697 | 21.12.2011 |
| 2. | Manolică V. Nicușor | 01.10.2008 | 28.10.2011 | 6697 | 21.12.2011 |
| 3. | Stan M.G. Andrei-Cătălin | 01.10.2008 | 28.10.2011 | 6697 | 21.12.2011 |
| 4. | Ursan G. George-Andrei | 01.10.2008 | 28.10.2011 | 6697 | 21.12.2011 |
| 5. | Corciovă G. Călin-Petru | 01.10.2008 | 28.10.2011 | 6697 | 21.12.2011 |
| 6. | Bargan C. Liliana-Simona (Căs. Potorac) | 0.10.2009 | 11.10.2013 | 5581 MD | 03.12.2013 |
| 7. | Bicleanu D. Dumitru-Paul | 01.10.2010 | 11.10.2013 | 5581 MD | 03.12.2013 |
| 8. | Nicuță M Ana-Maria | 01.10.2010 | 11.10.2013 | 5581 MD | 03.12.2013 |
| 9. | Ionete L. Eusebiu-Ilarian | 01.10.2010 | 26.09.2014 | 3181 | 06.02.2015 |
| 10. | Hrițcu V. Cătălina (Căs. Luca) | 03.10.2011 | 26.09.2014 | 3181 | 06.02.2015 |
| 11. | Alistar N. Bogdan Dumitru | 01.10.2012 | 27.09.2019 | 5644 | 30.12.2019 |
| 12. | Sandu V. lonuț Andrei | 01.10.2016 | 27.09.2019 | 5644 | 30.12.2019 |
| 13. | Boțoc Dorin | 01.10. 2017 | 08.09.2021 | 5999 | 30.12.2021 |
| 14. | Gîfei (cas. Aionoaie) Simona | 01.10.2014 | 08.09.2021 | 3466 | 23.03.2022 |
| 15. | Dumitrescu Cătălin | 01.10.2015 | 30.09.2022 | 3773 | 03.03.2023 |

| | | | | | |
|---|---|---|---|---|---|
| 16. | Roman (cas. Nechifor) Madalina | 01.10.2018 | 15.09.2023 | 6895 | 27.12.2023 |
| 17. | Fuior Robert | 01.10.2020 | 15.09.2023 | 6895 | 27.12.2023 |

Prof.Alexandru Salceanu

**UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAŞI**
**FACULTATEA DE INGINERIE ELECTRICĂ, ENERGETICĂ ŞI INFORMATICĂ APLICATĂ**

# Fișa de verificare a îndeplinirii standardelor minimale CNATDCU, conform Anexa 9 (comisia Inginerie Electrica), O.M. (MECS) 6129/2016

**Prof.dr.ing. Alexandru Salceanu**

Punctaje obtinute (in conformitate cu Anexa nr.9, Inginerie Electrica, OM 6129/2016)

| Nr crt. | Domeniul de activitate | ***Conditii minimale*** | **Punctaj obtinut** |
|---|---|---|---|
| 1 | Activitate didactica/profesionala (A1) | minimum 120 puncte | **377,46** |
| 2 | Activitate de cercetare (A2) | minimum 360 puncte | **2132.45** |
| 3 | Recunoasterea si impactul activitatii (A3) | minimum 120 puncte | **5237.95** |
| **TOTAL (puncte)** | | **minimum: 600 puncte** | **7747.86** |

**Structura activitatii si punctaje realizate**

| Nr crt | Criteriu | | Conditii minimale (punctaj) | Nr. Realizari | Punctaje totale |
|---|---|---|---|---|---|
| 1 | 1.1. Cărţi şi capitole în cărţi de specialitate | 1.1.1 Cărţi cu ISBN/capitole ca autor didactice sau monografii | minim 4 | - 4 carti/capitole carti internationale<br>- 7 carti/capitole carti nationale | **114.1** |
| | | 1.1.2 Cărţi/capitole de cărţi ca editor/coordonator | | 2 carti internationale+2 carti nationale | **199.28** |
| | 1.2. Suport didactic | 1.2.1 Suport de curs inclusiv electronic<br>Inclusiv cele publicate pe plan intern, în formă tipărită, fără ISBN sau în format electronic, on-line, cu menţionarea adresei web la care pot fi accesate | minim 2 din care 1 ca prim-autor; | 4 manuale | **38.12** |
| | | 1.2.2 îndrumare de laborator/aplicaţii<br>Inclusiv cele publicate pe plan intern, în formă tipărită, fără ISBN sau în format electronic, on-line, cu menţionarea adresei web la care pot fi accesate | minim 2 din care 1 ca prim-autor; | 2 manuale | **5.96** |
| | 1.3 Coordonare de programe de studii, organizare şi coordonare programe de formare continuă şi proiecte educaţionale (POS, ERASMUS etc.) | Punctaj unic pentru fiecare activitate | | 2 proiecte educationale | **20** |
| 2 | 2.1 Articole in extenso în reviste cotate şi în volume proceedings indexate ISI Thomson- Reuters*), brevete de invenţie | | minim. 8 | 83 articole si 3 brevete | **843.4** |
| | 2.2 Articole în reviste şi volumele unor manifestări ştiinţifice indexate în alte baze de date internaţionale**) | | minim. 16 | 145 articole | **945.05** |
| | 2.4 Granturi/proiecte câştigate prin competiţie | 2.4.1 Director/responsabil | minim 2 | 3 contracte director/ 5 responsabil part. | **200** |
| | | 2.3.2 membru în echipă | | 23 contracte nat+1 international | **144** |
| | 2.4 Contracte de cercetare/consultanţă (valoare echivalentă de minimum 2.000 euro) | 2.4.1 Responsabil | | - nr. contracte | |
| | | 2.4.2 Membru echipă | | - nr. contracte | |
| 3 | 3.1 Citări în reviste şi volumele conferinţelor ISI şi BDI | 3.1. ISI | | 215 citări | **348.45** |
| | | 3..2 BDI | | 158 citări | **156.5** |

| Nr crt | Criteriu | | Conditii minimale (punctaj) | Nr. Realizari | Punctaje totale |
|---|---|---|---|---|---|
| | 3.3 Prezentări invitate în plenul unor manifestări ştiinţifice naţionale şi internaţionale şi profesor invitat (exclusiv POS, ERASMUS) | 3.3.1 internaţionale | Punctaj unic pentru fiecare activitate | 4 manifestari | **80** |
| | | 3.3.2 naţionale | | - nr. manifestări | |
| | 3.4 Membru în colectivele de redacţie sau comitete ştiinţifice ale revistelor şi manifestărilor ştiinţifice, organizator de manifestări ştiinţifice, recenzor pentru reviste şi manifestări ştiinţifice naţionale şi internaţionale (punctajul se acordă pentru fiecare revistă, manifestare ştiinţifică şi recenzie) | 3.4.1 ISI | 10 puncte pentru fiecare activitate | -159 activităţi, 15900 puncte | **4077** |
| | | 3.4.2 BDI | 6 puncte pentru fiecare activitate | -358 activităţi, 2148 puncte | |
| | | 3.4.3 naţionale şi internaţionale | 3 puncte pentru fiecare activitate | - 113 activităţi, 339 puncte | |
| | 3.5 Referent în comisii de doctorat | 3.5.1 internaţionale | | - nr. comisii | **435** |
| | | 3.5.2 naţionale | | 87 comisii | |
| | 3.6 Premii | Academia Română | | | |
| | | ASAS, AOSR, academii de ramură şi CNCS | | | |
| | | premii internaţionale | | | |
| | | premii naţionale în domeniu | | | |
| | 3.7 Membru în academii, organizaţii, asociaţii profesionale de prestigiu, naţionale şi internaţionale, apartenenţă la organizaţii din domeniul educaţiei şi cercetării | 3.7.1 Academia Română | | Conducere 4 asociatii profesionale, Membru in 6 asociatii profesionale, Membru in 3 Consilii din educatie si cercetare | **141** |
| | | 3.7.2 ASAS, AOSR şi academii de ramură | | | |
| | | 3.7.3 Conducere asociaţii profesionale | | | |
| | | 3.7.4 Asociaţii profesionale | | | |
| | | 3.7.5 Consilii şi organizaţii în domeniul educaţiei şi cercetării | | | |

**Profesor dr.ing. Alexandru Salceanu**

**UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAŞI**
**FACULTATEA DE INGINERIE ELECTRICĂ, ENERGETICĂ ŞI INFORMATICĂ APLICATĂ**

# Fișa de verificare a îndeplinirii standardelor minimale CNATDCU, conform Anexa 9 (comisia Inginerie Electrica), O.M. (MECS) 6129/2016

**Prof.dr.ing. Alexandru Salceanu**

**DETALIERE INDICATORI**

## Activitate didactica/profesionala (A1)

### 1.1. Carti si capitole in carti de specialitate (cu ISBN)

| Nr crt | Subcategorii (National / International) | Rezultate (punctaje) | Carti de specialitate/Capitole de carti (titlul, autorii, nr. pagini, Editura, ISBN) | Nr pagini |
|---|---|---|---|---|
| *1.* | *International* | *2.75* | **International collective**, 2023, Internet of Things - New Insights, editor Dr. Maki K. Habib, ISBN 978-1-83768-988-0<br>Robert Fuior, **Alexandru Sălceanu**, Cătălina Luca and Călin Corciovă, Chapter "Application of Internet of Things (IoT) in Biomedicine: Challenges and Future Directions" DOI: 10.5772/intechopen.113178 | *22* |
| *2.* | *International* | *29.77* | Editors **Salceanu A.**, Qing He, Lazarescu C., 2019, *Proceedings of 23-rd IMEKO TC 4 International Symposium*, 17-20 September 2019, Xi'an, China, © 2019 – IMEKO, 268 pp, ISBN 978-606-13-5238-8, 2019, | *268* |
| *3.* | *International* | *89.5* | **Editors Alexandru Salceanu** and Cristian Fosalau, 2017, Proceedings of the 22nd IMEKO TC-4 International Symposium „Supporting World Development Through Electrical & Electronic Measurements"and 20th International Workshop on Adc Modelling And Testing,<br>September 14-16, 2017, Iasi, Romania, © 2017 – IMEKO, 537 pp, ISBN 978-606-13-3975-4 | *537* |
| *4.* | *International* | *4.5* | V. David, **Salceanu A.,** R. G. Ciorap, 2013, Acquisition and Analysis of Biomedical Signals in Case of Peoples Exposed to Electromagnetic Fields, Pp. 269-295, Pervasive and Mobile Sensing and Computing for Healthcare. Technological and Social Issues, Springer Berlin Heidelberg, ISBN: 978-3-642-32537-3 (Print) 978-3-642-32538-0 (Online). | *27* |
| *5.* | *International* | *19.5* | **International collective**, 2002, *Electromagnetic Compatibility. Theory Manual* (**Salceanu A.,** Chapter 8,"ESD & Transient Problems" şi **Salceanu A.,** Chapter 12, "ESD & Transient Tests"), Warwick University Press, Pp.229-252, Pp. 307-321, ISBN 0 90 2683 54 3 | *39* |
| *6.* | *International* | *11* | **International collective,** 2002, *Electromagnetic Compatibility. Practical Manual* (**Salceanu A.**, Ch. 4, "EMC Management & Company Awareness"), Warwick University Press, Pp35-56, ISBN 0 90 2683 55 1 | *22* |
| *7.* | *International* | *24.16* | **Editors** Mihai Cretu **and Alexandru Salceanu, 2007,** *IMEKO TC-4 International Workshop on ADC Modelling and Testing,* Editura Cermi, 145 Pp, ISBN 978-973-667-264-4 | *145* |
| *8.* | *national* | *0.04* | Andrei Marinescu-Editor, 2014, Electromagnetic Compatibility/ Electromagnetic Field. Research and Development in Romania, Ed. A.G.I.R., Electrical-Power Engineering Series, ISBN-978-973-720-521-6.- Chapter-**A. Salceanu**, E. Lunca, O. Beniuga, O. Neacsu, S. Ursache-"Works and Walks in ESD, developed at the Faculty of Electrical Engineering"- pp.112-118 | *7* |

| | | | | |
|---|---|---|---|---|
| *9.* | *national* | *14.66* | David V., **Salcean A.**, Creţu E., 2005, *Măsurări în biomedicină şi ecologie. Aplicaţii*, Editura Setis, Iaşi, 220 pagini, ISBN 973-86764-3-6 | *220* |
| *10.* | *national* | *55.85* | **Editor Salceanu A**., 2014, Dragomir Hurmuzescu, *Electricitatea*, Editura Universității ”Alexandru Ioan Cuza”, 391 pagini, ISBN 978-973-703-801-2 | *391* |
| *11.* | *national* | *12.46* | Breniuc L., Creţu M., **Salceanu A.**, 2002, *Proiectarea cu microcontrolere 8051, Teorie şi aplicaţii*, Editura „Gh.Asachi”, Iaşi, 187 pagini, ISBN 973-8292-63-8 | *187* |
| *12.* | *national* | *16.66* | **Salceanu A.**, Creţu M., Breniuc L., 2002, *Materiale magnetic moi, Modelare Preisach si aplicaţii*, Editura Cermi, Iaşi, 250 pagini, ISBN: 973-8188-06-7 | *250* |
| *13.* | *national* | *4.6* | Colectiv, coordonator Creţu M., 2001, *Tendinţe novatoare în instrumentaţie şi măsurări electrice* (capitolului VII, **Salceanu A.**, “Noi aplicaţii ale modelării Preisach cu alunecare în studiul materialelor magnetice”), Editura Sedcom Libris, Iasi, 168-190, ISBN 073-8028-76-0 | *23* |
| *14.* | *national* | *16* | **Salceanu A.**, Creţu M., Sărmăşanu C., 1999, *Zgomote şi interferenţe în instrumentaţie*, Editura Cermi, Iaşi, 240 pagini, ISBN: 973-9378-56-2 | *240* |
| *15.* | *national* | *11.93* | Sărmăşanu C., Creţu M., **Salceanu A.**, 1998, *Senzori şi traductoare pentru roboţi*, Editura CIA, Bucureşti, 179 pagini, ISBN 973-97272-3-9 | *179* |
| **TOTAL** | | **313.38** | | |

## 1.2. Suport didactic

| **Nr crt** | **Rezultate (punctaj)** | **Titlul Manualului (titlul, autorii, nr. pagini, website)** | Nr pagini |
|---|---|---|---|
| *1.* | *7,06* | Neacşu O., **Salceanu A**., Păuleţ M., 2019, Software de birotica, Editura PIM, Iași, 212 pagini, ISBN 978-606-13-4816-9 | *212* |
| *2.* | *3,9* | Luncă E., **Salceanu A,** 2018, *Zgomote și interferențe în instrumentație. Aplicaţii,* Editura PIM, Iași, 156 pagini, ISBN 978-606-13-4699-8 | *156* |
| *3.* | *8,66* | **Salceanu A.**, Creţu M., Sărmăşanu C., 2003, *Zgomote şi interferenţe în instrumentaţie, Ediţia a II-a*, Editura Cermi, Iaşi, 260 pagini, ISBN 973-8188-64-4 | *260* |
| 4. | 2,06 | **Salceanu A.**, Luncă E., Neacşu O., Păuleţ M., Ursache S., *Compatibilitate electromagnetică. Aplicaţii,* 2015, Editura PIM, Iaşi, 206 pagini, ISBN 978-606-13-2812-3. | 206 |
| 5. | 7,6 | **Salceanu A**., *Teste de preconformitate în domeniul EMC-ESD*, 2015, 152 pagini, http://iota.ee.tuiasi.ro/~asalcean | 152 |
| 6. | 14,8 | Salceanu A., Zgomote și Interferențe în instrumentație, 2020, 296 pagini, http://www.alexandrusalceanu.ro/curs.php | 296 |
| **TOTAL= 44,08** | | | |

### 1.3. Coordonare de programme de studii, organizare şi coordonare programe de formare continuă şi proiecte educaţionale (POS, ERASMUS etc.)

| Nr crt | Rezultate (punctaj) | Programe de studii, programe de formare continuă şi proiecte educaţionale (POS, ERASMUS etc.) |
|---|---|---|
| *1* | *10* | *Director executiv* al programul postdoctoral *PERFORM-ERA, ID – 57649, **2010 – 2012**, POSDRU/89/1.5/S/57649* |
| 2 | 10 | *Coordonator WP6-INGENIUM for Research* in cadrul proiectului cu titlul: „INGENIUM Alliance of European Universities", cod ERASMUS-EDU-2022-EUR-UNIV, grant agreement project ID 101090042 |
| | | |
| **TOTAL= 20** | | |

## Activitate de cercetare (A2)

**2.1. Articole publicate în extenso în reviste cotate şi în volume proceedings indexate ISI Thomson-Reuters*), brevete de invenţie**

| Nr crt | Rezultate (punctaje) | Titlul lucrarii, autorii, revista, pag (de la – pana la), vol….,<br>Titlul Brevetului, Autorii, Nr. brevet …. acordat de …., |
|---|---|---|
| *1.* | 26.33 | Lunca, E.; Vornicu, S.; Sălceanu, A. Numerical and Analytical Analysis of the Low-Frequency Magnetic Fields Generated by Three-Phase Underground Power Cables with Solid Bonding. *Appl. Sci.* **2023**, *13*, 6328. https://doi.org/10.3390/app13106328, IF 2.7 |
| *2.* | 11.68 | Andritoi Doru, Luca Catalina, Ilie, O. Calin, C. Robert, F., **Salceanu Alexandru,** Daniel-Andrei, I., 2022, The Use of Modern Technologies in Post-COVID-19 Cardiopulmonary Rehabilitation. Appl. Sci. 2022, 12, 7471. https://doi.org/10.3390/app12157471, Impact Factor in 2022, **2.838, eISSN:2076-3417** |
| *3.* | 8.33 | R. Fuior, C. Corciova and A. Salceanu, "Preprocessing of Electrocardiogram Techniques – A Review," *2021 International Conference on e-Health and Bioengineering (EHB)*, 2021, pp. 1-5, doi: 10.1109/EHB52898.2021.9657732. |
| *4.* | 6.25 | **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.2019.8905880 baza de date Web of Science-Clarivate Analytics, **WOS:000630287500088** |
| *5.* | 6.25 | **Salceanu A.**, Lunca E., Alistar B.D., Ursache S. *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, baza de date Web of Science-Clarivate Analytics, **WOS:000630287500102** |
| *6.* | 6.25 | Bejenaru O., Lăzărescu C., **Salceanu A**., David V. *Study Upon Specific Absorption Rate Values for Different Generations of Mobile Phones by Using a SATIMO-COMOSAR Evaluation Dosimetry System* Proceedings of the 12-th International Conference on Electromechanical and Power Systems, 10-11 October 2019, Chisinau, Rep. of Moldova, pp 355-359, Electronic ISBN: 978-1-7281-4011-7, DOI: 10.1109/SIELMEN.2019.8905798, baza de date Web of Science-Clarivate Analytics, **WOS:000630287500010** |
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| 139. | 5 | Baltag O., Costandache D., Cotae C., **Salceanu A.**, 1998, *Tilt Measurement Sensor*, Proccedings of The Second European Conference on Magnetic Sensors & Actuators, EMSA'98, Sheffield, Great Britain, 162 |
| 140. | 4 | Baltag O., Craus M.L., Costandache D., Craus C.B., **Salceanu A.**, 1998, *Study of a Magnetic Field Sensor with Nanocrystalline Materials*, Proccedings of The Second European Conference on Magnetic Sensors & Actuators, EMSA'98, Sheffield, Great Britain, 127 |
| 141. | 6.66 | Baltag O., **Salceanu A.**, Costandache D., 1998, *An Appraisal of a Magnetic Sensor with Amorphous Core*, Proccedings of The Second European Conference on Magnetic Sensors & Actuators, EMSA'98, Sheffield, Great Britain 125-126 |
| 142. | 6.66 | Baltag O., **Salceanu A.**, Costandache D., 1998, *Preisach Approach for Modelling an Amorphous Toroidal Fluxgate Sensor*, Proccedings of The Second European Conference on Magnetic Sensors & Actuators, EMSA'98, Sheffield, Great Britain, 104 |
| 143. | 4 | Craus M.L., Baltag O., **Salceanu A.**, Craus C.B., Costandache D., *$Li_2O$-Cu-$Fe_2O_3$ Ferrite; Structure and magnetic Properties*, Proccedings of The Second European |

| Nr crt | Rezultate (punctaje) | Titlul lucrarii, autorii, revista, pag (de la – pana la), vol…., |
|---|---|---|
| | | Conference on Magnetic Sensors & Actuators, EMSA'98, Sheffield, Great Britain, 55 |
| 144. | 6.66 | **Salceanu A.**, Baltag O., Costandache D., 1998, *Virtual Hysteresisgraph for Magnetic Tests of Strips and Wires under Stress*, Proccedings of The Second European Conference on Magnetic Sensors & Actuators, EMSA'98, Sheffield, Great Britain, 158-159 |
| 145. | 6.66 | Vremera E., Zet C., **Salceanu A.**, 1997, *Virtual RF Power Meter Using Bolometer Sensor and GP-IB Instruments*, Proceedings of the International Symposium on Signals, Circuits and Systems SCS'97, Iasi, 503-506 |
| **TOTAL= 945.05** | | |

**2.3. Granturi/proiecte castigate prin competitie**

| Nr crt | Subcategorii Director / membru | Rezultate (punctaje) | Titlul grantului/proiectului national | Perioada de derulare |
|---|---|---|---|---|
| 1. | Director | 30 | Laborator pentru încercări de imunitate la descărcări electrostatice - LIDES CEEX-M4-187/2006 | 2006-2008 |
| 2. | Director | 30 | Susţinerea integrării cercetării româneşti în domeniul poluării electromagnetice în reţele, programe şi parteneriate europene de profil - INT-€-EM, CEEX-M3-226/2006 | 2006-2008 |
| 3. | Director | 10 | Sistem de gestiune electronica a documentelor si fluxurilor de lucru din cercetare dezvoltare, POS CCE-AXA II, COD SMIS-CNSR 2756, Nr. 30.11.2009 | 2009 |
| 4. | Responsabil, partener TUIASI | 30 | Dezvoltarea conceptului de clădire generator-convertor de energie regenerabilă, cu autonomie energetică ridicată şi acumulare în infrastructură şi sol – RENERGHOME, PNCDI-PARTENERIATE- 5413P/2007 | 2007-2009 |
| 5. | Responsabil, partener TUIASI | 30 | Noi metode şi tehnici biomedicale de investigare, diagnosticare si monitorizare neinvazivă cu radiaţii electromagnetice neionogene - BIOELECTRA, PNCDI-PARTENERIATE-5272P/2007 | 2007-2009 |
| 6. | Responsabil, partener TUIASI | 30 | Noi metode şi tehnici biomagnetometrice de înaltă rezoluţie pentru investigare şi diagnosticare biomedicală – BIOMAG, PNCDI-PARTENERIATE-5271P/2007 | 2007-2009 |

| Nr crt | Subcategorii Director / membru | Rezultate (punctaje) | Titlul grantului/proiectului national | Perioada de derulare |
|---|---|---|---|---|
| 7. | Responsabil, partener TUIASI | 20 | Metode si tehnici neinvazive cu microunde pentru detecţia timpurie a cancerului de sân – CANCERDET, CEEX-20/2005 | 2005-2006 |
| 8. | Responsabil, partener TUIASI | 20 | Cercetări experimentale de magnetometrie cardiacă şi analiză matematică a semnalelor magnetometrice cardiace MCG - CARDIOMAG, CEEX-M1-136/2006 | 2006-2007 |
| 9. | Membru echipa internationala | 12 | Proiectul CINECA « Quam », Director Profesor Mario Cesarelli, Universitatea Napoli Federico II | 2012-2014 |
| 10 | Membru in echipa | 4 | Sistem informatic virtual pentru educatie interactiva la distanta in domeniul ingineriei electrice-INFOSOC | 2004-2005 |
| 11 | Membru in echipa | 6 | Microtraductoare cu elemente sensibile din materiale magnetice amorfe, MATNANTECH | 2004-2006 |
| 12 | Membru in echipa | 6 | Nanofire multistrat cu structura de tip valva de spin. proprietati de magnetorezistenta gigant. structura cadru, CEEX | 2005-2007 |
| 13 | Membru in echipa | 6 | Biocompozite obtinute prin reciclarea deseurilor de pet si utilizarea de derivati ligno-celulozici, CEEX | 2005-2007 |
| 14 | Membru in echipa | 4 | Sistem informatic virtual de instruire interactiva la distanta in domeniul masuratorilor electrice-Grant CNCSIS | 2006-2007 |
| 15 | Membru in echipa | 4 | Noi materiale in constructia de dispozitive de masura- Grant CNCSIS | 2006-2007 |
| 16 | Membru in echipa | 6 | Dezvoltarea capacitatii de integrare a Romaniei in cadrul programelor, platformelor si retelelor europene in domeniul metodelor comparative neinvazive si nedistructive de analiza a calitatii si securitatii alimentelor, CEEX | 2006-2008 |
| 17 | Membru in echipa | 6 | Dezvoltarea capacitatii de integrare a Romaniei in cadrul programelor, platformelor si retelelor europene in domeniul obtinerii de biocompozite cu aplicatii multisectoriale, CEEX | 2006-2008 |
| 18 | Membru in echipa | 6 | Sistem inteligent de irigare de precizie implementabil pe structurile automate cu deplasare circulara sau liniara, CEEX | 2006-2008 |
| 19 | Membru in echipa | 6 | Dezvoltarea parteneriatelor c/d in vederea promovarii de proiecte europene in domeniul video inspectiei inteligente a materialelor textile, CEEX | 2006-2008 |
| 20 | Membru in echipa | 6 | Remote instrumentation in next generation grids, CEEX | 2006-2008 |

| **Nr crt** | **Subcategorii** Director / membru | **Rezultate (punctaje)** | **Titlul grantului/proiectului** national | Perioada de derulare |
|---|---|---|---|---|
| 21 | Membru in echipa | 6 | Dezvoltarea capacitatii de integrare a Romaniei in cadrul programelor, platformelor si retelelor europene in domeniul sistemelor virtuale si distribuite de design si management a cercetarii, CEEX | 2006-2008 |
| 22 | Membru in echipa | 6 | Dezvoltarea parteneriatelor c/d pentru includerea excelentei romanesti in vederea promovarii de proiecte comune in domeniul materialelor avansate nanostructurate destinate ecranelor de protectie la radiatii electromagnetice in domeniul GHz, CEEX | 2006-2008 |
| 23 | Membru in echipa | 6 | Ecrane pentru constructii speciale bazate pe structuri chiral-fagure, CEEX | 2006-2008 |
| 24 | Membru in echipa | 6 | Sistem integrat de inspectie video-inteligenta a materialelor textile, dezvoltat prin metode virtuale de procesare a imaginii, CEEX | 2006-2008 |
| 25 | Membru in echipa | 6 | Dezvoltarea parteneriatelor c/d in vederea promovarii unor proiecte europene in domeniul sistemelor distribuite de monitorizare a mediului, CEEX | 2006-2008 |
| 26 | Membru in echipa | 6 | Metodologie dielectrica nedistructiva neinvaziva comparativa de detectare rapida a ingredientelor cu potential major de risc pentru sanatate din produsele alimentare, PN II Capacit | 2008-2010 |
| 27 | Membru in echipa | 6 | Ecrane si panouri absorbante pentru urilizari speciale bazate pe compozite nanostructurate cu arhitectura predefinita si proprietati dielectrice si electromagnetice personalizate, PN II Capacit. | 2009-2011 |
| 28 | Membru in echipa | 6 | Filme ceramice subtiri nanoporoase din cristale zeolitice pe baza de siliciu pentru materiale cu constanta dielectrica redusa, PN II Capacit. | 2009-2011 |
| 29 | Membru in echipa | 6 | Compozite polimerice nano-active avansate cu metale rare si oxizi metalici pentru aplicatii in microelectronica in domeniul GHz, PN II Capacit. | 2010-2012 |
| 30 | Membru in echipa | 6 | Sistem inteligent de predictie si control al congestiilor in retelele de transport si distributie de inalta tansiune, PN II Part. | 2009-2011 |
| 31 | Membru in echipa | 6 | Dezvoltarea de bio-senzori implantabili dedicaţi evaluării neurotransmiţătorilor, bazaţi pe depuneri de compozite polimerice conjugate pe structuri carbonice nano-poroase/ development of implantable bio-sensors for neurotransmitters evaluation, based on | 2012-2014 |

| Nr crt | Subcategorii Director / membru | Rezultate (punctaje) | Titlul grantului/proiectului national | Perioada de derulare |
|---|---|---|---|---|
| | | | electrochemically coated conjugated polymer composites on carbon nano-porous structures – CARPOLSENSE | |
| 32 | Membru in echipa | 6 | Tehnologii performante pentru obtinerea de structuri 3D cu aplicatii in securitate, PN III Bridge Gr. | 2016-2018 |
| **TOTAL** | | **344** | | |

**2.4. Contracte de cercetare/consultanţă**

| Nr crt | Subcategorii Responsabil / membru | Rezultate (punctaje) | Titlul contractului de cercetare/consultanţă | Perioada de derulare |
|---|---|---|---|---|
| 1 | | | | |
| 2 | | | | |
| **TOTAL** | | | | |

## 3.1. -3.2 Citări în reviste şi volumele conferinţelor ISI şi BDI

| Nr.crt | Lucrarea citata | Anul publicarii | Lucrarea care o citeaza | ISI | BDI | Punctaj |
|---|---|---|---|---|---|---|
| 1. | On the measurement of ambient magnetic fields in residences, V David, A Salceanu, M Antoniu, Proceedings of the 6th International Conference on Optimization of Electrical and Electronic Equipments, 1998. OPTIM'98, Volume 1,Pages 267-270 | 1998 | Performance of low frequency magnetic field meters to sinusoidal and beat-phenomenon magnetic fields By C.A. Cortes, H. Brüggemeyer, R. Dib, E. Mombello, Measurement, Volume 39, Issue 5, June 2006, Pages 381-392 | 1 | | 1.66 |
| 2. | Programs and virtual hysteresisgraph for scalar Preisach modelling A Salceanu, V David - Computer Standards & Interfaces, 1999 - Elsevier | 1999 | Virtual instrument to obtain an optimal linear model for piezoelectric elements involved in road traffic energy harvesting by F.J. Jiménez, M. Vázquez-Rodriguez , D. Alonso, J. de Frutos, Computer Standards & Interfaces, Volume 51, March 2017, Pages 1–13 | 1 | | 2.5 |
| 3. | | | Sensorless evaluation of asymmetric hysteresis loops of ferromagnetic materials by L. Cristaldi ; A. Ferrero ; M. Lazzaroni ; A.P. Morando, IEEE Transactions on Instrumentation and Measurement, Volume: 52, Issue: 3, June 2003, pp 846 - 851 | 1 | | 2.5 |
| 4. | | | A SENSORLESS METHOD FOR THE IDENTIFICATION OF ASYMMETRIC HYSTERESIS LOOPS OF FERROMAGNETIC MATERIALS Loredana Cristaldi, Alessandro Ferrero, Massimo Lazzaroni, Adriano P. Morando, Proceedings of 11-th IMEKO Tc 4 Symposium, Sept. 2001, Lisabone, pp.318-322. | | 1 | 1.5 |
| 5. | Magnetometric computerized multichannel installation By Octavian Baltag, L Balasa, D Costandache, I Voiculescu, A Salceanu | 1999 | Analysis of Model Accuracy and Magnetic Signature of a Ship Scale Model by Georgiana Marin, Gheorghe Samoilescu, Octavian Baltag, Doina Costandache, Ion Rau, Rev. Roum. Sci. | 1 | | 1 |

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| | Volume 45, Issue 5, Iasi Politechnic Institute Scientific Bulletin | | Techn. – Électrotechn. et Énerg., 59, 3, p. 269–278, Bucharest, 2014, impact factor 0.52 | | | |
| 6. | Tilt measurement sensor<br>O Baltag, D Costandache, A Salceanu - Sensors and Actuators A: Physical, Volume 81, pp 336-339, 2000 – Elsevier | 2000 | Danyil Azarkh, Melanie Geiger, Se-Hyeong Jung, Erik Noetzel, Rudolf Merkel, Andrij Pich, Uwe Schnakenberg,<br>Characterization of Transient Rheological Behavior of Soft MaterialsUsing Ferrofluid Droplets,<br>Sensors and Actuators A: Physical, 2022, 113756, ISSN 0924-4247,<br>https://doi.org/10.1016/j.sna.2022.113756. | 1 | | 1.66 |
| 7. | | | Majid Nour, Nihat Daldal, Mehmet Fatih Kahraman, Hatem Sindi, Adi Alhudhaif, Kemal Polat, "A Novel Tilt and Acceleration Measurement System Based on Hall-Effect Sensors Using Neural Networks", Mathematical Problems in Engineering, vol. 2022, Article ID 7000486, 13 pages, 2022. https://doi.org/10.1155/2022/7000486 | | 1 | 1 |
| 8. | | | Electric-Contact Tilt Sensors: A Review by Łuczak, S.; Ekwinska, M. Sensors 2021, 21, 1097. https://doi.org/10.3390/s21041097 | 1 | | 1.66 |
| 9. | | | Novel Mechatronic Sensors for Irregular Movements of Autonomous Land Vehicles by Boucetta, Rahma; Bahri, Radwen; Ali, Saloua Bel Hadj,<br>Sensor Letters, Volume 18, Number 4, April 2020, pp. 280-287(8), DOI: https://doi.org/10.1166/sl.2020.4218 | | 1 | 1 |
| 10. | | | Ferrofluid transformer-based tilt sensor by DeGraff, A., Rashidi, R.. Microsyst Technol (2020). https://doi.org/10.1007/s00542-020-04790-0 (impact factor 1.513) | 1 | | 1.66 |
| 11. | | | Research on a novel magnetic tilt sensor designed using Hall elements and ferrofluid by Yavuz Ozt¨urk and Ismail Yari¸ci, Journal of ELECTRICAL ENGINEERING, VOL 70 (2019), NO 5, 406–411 (Impact factor 0.663) | 1 | | 1.66 |
| 12. | | | Experimental Study of Magnetic Viscous Properties of Magnetic Fluids Affect on Its Sensing Performance, by Hairong Cui, IOP Conference Series: ”Materials Science and Engineering”, Volume 562, conference 1, https://doi.org/10.1088/1757-899X/562/1/012062 | 1 | | 1.66 |
| 13. | | | Absolute Encoder based Dual Axis tilt Sensor by Tuhin Subhra Sarkar, Subir Das, Badal Chakraborty and Himadri Sekhar Dutta, IEEE Sensors Journal, 17 December 2018, DOI: 10.1109/JSEN.2018.2887026 | 1 | | 1.66 |
| 14. | | | An innovative tilt sensor based on terrestrial gravity and ultrasonic wave's diffraction for mobile robots By: Bahri, Radwen; Boucetta, Rahma; Bel Hadj Ali Naoui, Saloua, Conference WoS: 15th International Multi-Conference on Systems, Signals and Devices (SSD) Location: Hammamet, TUNISIA Date: MAR 19-22, 2018 | 1 | | 1.66 |
| 15. | | | Ferrofluid-based liquid-phase microextraction: Analysis of four phenolic compounds in milks and fruit juices by Yang, D., Li, G., Wu, L., Yang, Y. Food Chemistry Journal, Elsevier, Volume 261, 30 September 2018, Pages 96-102 | 1 | | 1.66 |
| 16. | | | Evanescent Field-Modulated Magnetic Immune Sensor Based on Magnetic Fluid and Polymer | 1 | | 1.66 |

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| | | | Optical Fiber by Saeed Azad, Alireza Nikzad, Roghaieh Parvizi, Mohammad javad. Safdari April 2018, IEEE Sensors Journal PP(99):1-1 DOI: 10.1109/JSEN.2018.2828646 | | | |
| 17. | | | Analysis of a ferrofluid core differential transformer tilt measurement sensor By: Medvegy, T.; Molnar, A.; Molnar, G.; et al. JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 428 Pages: 189-193 | 1 | | 1.66 |
| 18. | | | Development of a high resolution optical-fiber tilt sensor by FP filter J Pan, Q Nan, S Li, Z Hao - 25th …, 2017 - proceedings.spiedigitallibrary.org | 1 | | 1.66 |
| 19. | | | Opto-mechanical tilt sensor using moiré effect for slope movement remote sensing, by Tan, P.Y., Yen, K.S., Ratnam, M.M., Ahmad, F., IEEE Region 10 Annual International Conference, Proceedings/TENCON 7848185, pp. 1130-1134 | | 1 | 1 |
| 20. | | | Light Guidıng Medium Based Optical Tilt Sensor Design Y Öztürk, T Dolmen, Y Güneş - American Scientific Research, 2017 - asrjetsjournal.org | | 1 | 1 |
| 21. | | | Digital output tilt sensor with conductive microspheres L BÃ¼the - 2017 - e-collection.library.ethz.ch | | 1 | 1 |
| 22. | | | Magnetoviscous effect in ferrofluids with different dispersion media By: Borin, D. Yu; Korolev, V. V.; Ramazanova, A. G.; et al. JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 416 Pages: 110-116 | 1 | | 1.66 |
| 23. | | | Opto-mechanical Tilt Sensor using Moire Effect for Slope Movement Remote Sensing By: Tan, P. Y.; Yen, K. S.; Ratnam, M. M.; et al PROCEEDINGS OF THE 2016 IEEE REGION 10 CONFERENCE (TENCON) Pages: 1130-1134 | 1 | | 1.66 |
| 24. | | | Sensor-based Monitoring and Warning System for Large Billboards By: Liu, Yang; Bao, Qingxue; Jing, Changfeng; et al. Conference: 23rd International Conference on Geoinformatics (Geoinformatics) Location: China Univ Geosciences, Wuhan | 1 | | 1.66 |
| 25. | | | Synthesis and Characterization of Magnetic Liquid and Its Application as an Inclination Sensor By: Dagade, Amit M.; Pillai, Priam V.; Goyal, Prem S. Conference: 2015 International Conference on Nascent Technologies in the Engineering Field (ICNTE) Location: Bombay, INDIA Date: JAN 09-10, 2015 | 1 | | 1.66 |
| 26. | | | Design & Realization of an Optical type Dual Axis Inclination Sensor By: Sarkar, Tuhin Subhra; Das, Subir; Chakraborty, Badal; et al. Conference: THIRD INTERNATIONAL CONFERENCE ON COMPUTER, COMMUNICATION, CONTROL AND INFORMATION TECHNOLOGY (C3IT) Location: Acad Technol, Hooghly, INDIA | 1 | | 1.66 |

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| 27. | | | Sensing Application Based on Nano - magnetic Fluid Materials<br>Science and Technology Herald, 2015 - kjdb.org(tradus din Chineza cu Google Translate) | | 1 | 1 |
| 28. | | | Analysis on Measuring Circuit of Pressure Difference Sensor with Magnetic Fluid<br>By: Hao, Rui-can; Liu, Hua-gang; Gong, Wen; et al.<br>Conference: International Conference on Material Science and Engineering (ICMSE) Location: Xian, PEOPLES R CHINA | 1 | | 1.66 |
| 29. | | | Reviews on simulation methods for the microstructure of magnetic fluid with and without applied magnetic field<br>By: Zhao, Yong; Li, Hao; Lv, Ri-Qing; et al.<br>INTERNATIONAL JOURNAL OF APPLIED ELECTROMAGNETICS AND MECHANICS (impact factor 0.72) Volume: 46 Issue: 3 Pages: 593-610 | 1 | | 1.66 |
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| 33. | | | Study on the Effect of Magnetic Properties of Magnetic Liquid on Sensor Sensitivity<br>Electrical Measurement and Instrumentation, 2014 - cqvip.com (tradus din Chineza cu Google Translate) | | 1 | 1 |
| 34. | | | An Extrinsic Fabry-Perot Optical Fiber Sensor Based on Nano-Magnetic Fluid<br>By: Jin, Xuemei; Huang, Xuguang; Chen, Luanxiong<br>FIBER AND INTEGRATED OPTICS Volume: 32 Issue: 4 Pages: 233-241<br>Impact factor 0.23, Published: JUL 4 2013 | 1 | | 1.66 |
| 35. | | | Electrolytic Tilt Sensor with Domed Cap for Improved Performance<br>By: Choi, Ju Chan; Choi, Young Chan; Lee, June Kyoo; et al.<br>JAPANESE JOURNAL OF APPLIED PHYSICS Volume: 52 Issue: 6 Special Issue: SI Article Number: UNSP 06GL13 Part: 2 Published: JUN 2013 | 1 | | 1.66 |
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| 38. | | | Accuracy issues in experimental studies of tilt sensors<br>S Luczak - Engineering Mechanics, 2013 - engineeringmechanics.cz | | 1 | 1 |
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| 44. | | | Systems Integration for Biosensing: Design, Fabrication, and Packaging of Microelectronics, Sensors, and Microfluidics (Book)<br>D Welch - 2012 - search.proquest.com | | 1 | 1 |
| 45. | | | Numerical Simulation and Experimental Verification of Magnetic Liquid Level Sensor<br>Cui Hairong, Zheng Jinju, Yang Chaozhen, Wang Xuefeng - China Mechanical Engineering, 2012 - cmemo.org.cn (tradus din Chineza cu Google Translate) | | 1 | 1 |
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| 48. | | | Measurement Systems-connection between Sensors and Embedded System<br>T Lkhagvatseren - 2011 - digilib.k.utb.cz | | 1 | 1 |
| 49. | | | Input and Output Characteristics of Magnetic Liquid Acceleration Sensor<br>Journal of Beijing Jiaotong University, Impact factor 5, 2011 - jdxb.bjtu.edu.cn | 1 | | 1.66 |

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| 53. | | | Numerical Simulation for Magnetic Fluid Inclination Sensor<br>ML Sun, HR Cui, B Wang, WZ Chen - Advanced Materials, 2011 - Trans Tech Publ | 1 | | 1.66 |
| 54. | | | Novel optical fiber current sensor based on magnetic fluid<br>By: Hu, Tao; Zhao, Yong; Li, Xing; et al.<br>CHINESE OPTICS LETTERS, impact factor 1.89 Volume: 8 Issue: 4 Pages: 392-394 Published: APR 10 2010 | 1 | | 1.66 |
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| 453. | Simona Gîfei, Alexandru Salceanu, Mapping between Automotive SPICE3. 1 and IATF16949: 2016 to Support the Process-Optimization in the Development of Autonomous Vehicles DOI: 10.1109/SIELMEN.2019.8905880, 2019 International Conference on Electromechanical and Energy Systems (SIELMEN), Chisinau, Rep. of Moldova, Oct.2019 | 2019 | Zheng, Meimei, et al. "Supplier evaluation and management considering greener production in manufacturing industry." *Journal of Cleaner Production* (2022): 130964. (IF 9.297) | 1 | | 2.5 |
| 454. | C. Riess, M.S.J. Walter, S. Weiherer, Al. Salceanu<br>Heating an electric car with a biofuel operated heater during cold seasons-design, application and test<br>ACTA IMEKO, 7 (4) (2019), pp. 48-54 | 2019 | Dazhang Yang, Yilin Huo, Qing Zhang, Jing Xie, Zhikang Yang,<br>Recent advances on air heating system of cabin for pure electric vehicles: A review,<br>Heliyon, Impact Factor 3.776<br>Volume 8, Issue 10, 2022, e11032,<br>ISSN 2405-8440,<br>https://doi.org/10.1016/j.heliyon.2022.e11032. | 1 | | 1.25 |
| 455. | | | S. Houicher , R. Djekidel , S-A. Bessedik and K. Hachani, Investigating Magnetic Induction Evaluation Near High Voltage Transmission Lines, Proceedings of the 12-th Algerian National Conference on High Voltage Engineering October 04–06, 2022, pp.46-54 | | 1 | 0.75 |
| 456. | Vornicu, S., Lunca, E., Salceanu, A., ANSYS Maxwell Finite Element Model for 2D Computation of the Magnetic Field Generated by Overhead High-Voltage Power Lines, 2019 International Conference on Electromechanical and Energy Systems (SIELMEN), Chisinau, Rep. of Moldova, Oct.2019 | 2019 | Omar Farouq Mohd Sawi, Md Noor Ramdon Baharom, FEA Simulation of the Propagation of Magnetic Field Waves Strength Inside A 275kV MainIntake Substation , Evolution in Electrical and Electronic Engineering Vol. 3 No. 2 (2022) 374-383 | | 1 | 1 |
| 457. | Botoc, D., Siroux, M., and Salceanu, A. Magnetic refrigeration: emerging technology for sustainable refrigeration. E3S Web Conf., 294:03001, 2021. doi: 10.1051/e3sconf/202129403001. | 2021 | Chhayabrita Maji, Sustainable Material for Sustainable Magnetic Refrigeration, Handbook of Sustainable Materials: Modelling, Characterization, and Optimization, 1st Edition, 2023 Pages 18 ImprintCRC Press, eBook ISBN 9781003297772 | | 1 | 1 |
| 458. | | | Michael Wiesheu , Melina Merkel , Tim Sittig , Dimitri Benke , Max Fries , Sebastian Schops , Oliver Weeger , Idoia Cortes Garcia "How to Build the Optimal Magnet Assembly for Magnetocaloric Cooling: Structural Optimization with Isogeometric Analysis " Applied Thermal Engineering, December 2022 | 1 | | 1.66 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 459. | Andritoi Doru, Luca Catalina, Ilie, O. Calin, C. Robert, F., Salceanu Alexandru, Daniel-Andrei, I., 2022, The Use of Modern Technologies in Post-COVID-19 Cardiopulmonary Rehabilitation. Appl. Sci. 2022, 12, 7471. https://doi.org/10.3390/ app12157471, Impact Factor in 2022, 2.838 | 2022 | Clinical Features and Paraclinical Findings in Patients with SARS CoV-2 Pneumonia and the Impact of Pulmonary Rehabilitation on the Instrumental Activities of Daily Living in POST-COVID-19 Patients by Paraschiva A. Postolache et al, J. Pers. Med. 2023, 13(2), 182; https://doi.org/10.3390/jpm13020182 | 1 | | 0.71 |
| | | | **Total punctate** | **215** | **158** | **504.95** |

### 3.3. Prezentări invitate în plenul unor manifestări ştiinţifice naţionale şi internaţionale şi profesor invitat (exclusiv POS, ERASMUS)

| Nr crt. | Manifestări ştiinţifice naţionale şi internaţionale şi profesor invitat | Nr. | Punctaj |
|---|---|---|---|
| **1.** | Invited plenary speaker, 24-th IMEKO TC 4 Simpozium, 14-16 September 2020, Palermo, Italy | **1** | **20** |
| **2.** | Invited plenary speaker, 12-th International Conference on Electromechanical and Power Systems, 10-11 October 2019, Chisinau, Rep. of Moldova, | **1** | **20** |
| **3.** | Invited speaker for section Metrology, 4th International IcETRAN Conference, 5-8 Iunie 2017 | **1** | **20** |
| **4.** | Profesor invitat la Universitatea Napoli Federico II, de catre profesorul Mario Cesarelli, in cadrul Proiectului CINECA « Quam », ianuarie-februarie 2014 | **1** | **20** |
| | **Total** | | **80** |

### 3.4. Membru în colectivele de redacţie sau comitete ştiinţifice ale revistelor şi manifestărilor ştiinţifice, organizator de manifestări ştiinţifice, recenzor pentru reviste şi manifestări ştiinţifice naţionale şi internaţionale (punctajul se acordă pentru fiecare revistă, manifestare ştiinţifică şi recenzie)

| Nr crt. | Activitate în redacţie/comitete ştiinţifice ale revistelor şi manifestărilor ştiinţifice, recenzor | nr . | Punctaj |
|---|---|---|---|
| **1.** | Reviewer, Buletinul IPI, sectiunea Electrical Engineering, Power Engineering, Electronics, reviewer for 15 articles | **15** | **90** |
| **2.** | Member of Editorial Board, Section Editor, ACTA IMEKO (inclusa BDI), Reviewer ACTA IMEKO, 40 recenzii | **1+40** | **246** |
| **3.** | Member of Editorial Board, The Scientific Bulletin of the Electrical Engineering Faculty – Valahia University, Targoviste, 12 recenzii | **1x6+ 12x6** | **78** |
| **4.** | Membru Consiliu Stiintific Editorial al revistei « Metrologie » (BRML), 2 recenzii | **1+2=3** | **9** |
| **5.** | Membru al IMEKO TC 4 Symposium, International Program Committee pentru fiecare editie (anuala) incepand din 2007 pana in 2024 inclusiv, (18 editii), Reviewer pentru fiecare editie a Simpozionului anual IMEKO TC | **18x6+ 24x5x6** | **828** |

| Nr crt. | Activitate în redacţie/comitete ştiinţifice ale revistelor şi manifestărilor ştiinţifice, recenzor | nr . | Punctaj |
|---|---|---|---|
| | 4 incepand din 2001 pana in prezent (24 editii), o medie de 5 recenzii pe editie | | |
| **6.** | Membru al Comitetului de Program pentru Conferintele EPE, 2002, 2004, 2006, 2008, 2010, (BDI), 2012, 2014, 2016 ,2018 (ISI), 2020, 2022, 2024 (BDI), Reviewer pentru fiecare editie a Conferintelor EPE incepand din 2002 pana in prezent (8 editii BDI si 4 editii ISI), o medie de 6 recenzii pe editie | **8x6+ 4x10+ 8x6x6+ 4x6x10** | **616** |
| **7.** | Membru al Comitetului de Program pentru Conferintele Internationale SIELMEC-SIELMEN din 2001 pana in 2023 (12 editii, din care primele 9 neindexate, a 10-a ISI, a 11-a si a 12-a IEEE), reviewer pentru fiecare editie a ConferintelorSIELMEN-SIELMEC incepand din 2001 pana in prezent (9 editii neindexate, 1 ISI, 2 IEEE), o medie de 3 recenzii pe editie | **9X3+ 9x3x3+ 2x6+ 2x3x6+ 1x10+ 3x10** | **214** |
| **8.** | Membru al International Scientific Conference Committee al WESC-WORLD ENERGY SYSTEM CONFERENCE 2012 si reviewer a 2 articole | **1+2** | **18** |
| **9.** | Membru al International Scientific Committee al ATEE International Symposium on Advanced Topics in Electrical Engineering, (ISI), editiile 2011, 2013 si 2015, 2017, 2019, 2021, 2023 si reviewer a 22 articole | **7x10+ 22x10** | **290** |
| **10** | Membru al Scientific Committee al Conferintelor Internationale Management of Technological Changes, (editiile 2009, 2011), ISI, si reviewer a 7 articole | **2x10+ 7x10** | **90** |
| **11** | Membru al International Scientific Committee, International Conference of TUIASI Doctoral School, 7 editii (2017, 2018, 2019, 2021, 2022, 2023, 2024), o medie de 3 articole recenzate la fiecare editie | **7x3+ 7x3x3** | **84** |
| **12** | Membru al Technical Program Committee ICATE Craiova, 2014, 2016, 2018,2020 reviewer a 6 articole | **4x10+ 6x10** | **100** |
| **13** | Membru al Comitetului Stiintific al Conferintei nationale de Actionari Electrice, CNAE, editiile 2012, 2014 si 2016, 3 recenzii | **3x3+ 3x3** | **18** |
| **14** | Membru International Programme Committee, XXVII International Scientific Symposium"METROLOGY AND METROLOGY ASSURANCE " 7 editii (din 2017-2023) Sozopol, Bulgaria, | **7** | **42** |
| **15** | Membru Comitet Stiintific Conferinta de Inginerie Electrica si Sisteme Stefan Garlasu- Universitatea Eftimie Murgu Resita, 2016 | **1x3** | **3** |
| **16** | Membru al **International Technical Committee** , Fourth International Conference on Civil Engineering, Architectural and Environmental Engineering (CEAEE 2020) | **1x6** | **6** |
| **17** | Expert evaluator al ANVUR (National Agency for the Evaluation of Universities and Research Institutes), MIUR (Italian Ministry of Education, University and Research), 12 evaluari | **12** | **72** |
| **18** | Expert evaluator Slovak Research and Development Agency, 25 evaluari | **25** | **150** |
| **19** | Expert evaluator UEFIS-CDI, 45 evaluari | **45** | **135** |
| **20** | Reviewer IEEE Sensors Journal | **5** | **50** |
| **21** | Executive Guest Editor si Reviewer Measurement ,Elsevier Journal, 45 recenzii | **1+45** | **460** |
| **22** | Reviewer Sensors and Actuators, Elsevier Journal | **4** | **40** |
| **23** | Reviewer Electrical Engineering, Springer | **1** | **10** |
| **24** | Reviewer of « Analele Universitatii din Craiova, Seria Inginerie Electrica » | **7** | **42** |

| Nr crt. | Activitate în redacţie/comitete ştiinţifice ale revistelor şi manifestărilor ştiinţifice, recenzor | nr . | Punctaj |
|---|---|---|---|
| 25 | Reviewer by River Valley Technologies Electronics Letters | **4** | **24** |
| 26 | Topical Advisory Panel Member of Electronics (mdpi journal) | **1** | **10** |
| 27 | Reviewer with MDPI Journals | **21** | **210** |
| 28 | Editorial Board Member, Measurement (IF>5) | **1** | **10** |
| 29 | Editorial Board Member, Measurement Sensors, 3 recenzii | **(1+3)x6** | **24** |
| 30 | Editorial Board Member, Measurement Food, 2 recenzii | **(1+2)x6** | **18** |
| 31 | Membru, Editorial Board of Journal of Electrical and Electronic Engineering, 5 recenzii | **(1+5)x6** | **36** |
| 32 | Editorial Board al Journal of Electronics and Advanced Electrical Engineering, 6 recenzii | **(1+6)x6** | **42** |
| 33 | Expert of International Electrotechnical Commission, TC106/JMT62209-3, ”Methods for the assessment of electric, magnetic and electromagnetic fields associated with human exposure”, 2 rapoarte | **(1+2)x6** | **18** |
| 34 | 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)., 2 rapoarte | **(1+2)x6** | **18** |
| | Total | **630** | **4077** |

### 3.5. Referent în comisii de doctorat

| Nr crt. | Comisii de doctorat ( naţionale) | nr . | Punctaj |
|---|---|---|---|
| **1.** | Comisii de doctorat la Universitatea Tehnica Cluj Napoca, Prof. Radu Munteanu, (Gheorghita Sandel, Hanc Sorin, Vizitiu Sveatoslav, Nicoleta Sarlea, Ioan Jittu, Ioana Moldoveanu) | **6** | **30** |
| **2.** | Comisii de doctorat la Universitatea Tehnica Cluj Napoca, Prof.Gheorghe Todoran, (Muntean Oana, Muresan Calin, Zaharia Valentin, Buzura Oana) | **4** | **20** |
| **3.** | Comisie de doctorat la Universitatea Tehnica Cluj Napoca, Prof.Richard Marschalko (Pal Balogh) | **1** | **5** |
| **4.** | Comisii de doctorat la Universitatea Tehnica Cluj Napoca, Prof.Radu Adrian Tirnovan (Breaz Elena, Onet Oana) | **2** | **10** |
| **5.** | Comisii de doctorat la Universitatea Tehnica Cluj Napoca, Prof. Horia Balan (Chiorean Cristina, Cozorici Ioan) | **2** | **10** |
| **6.** | Comisii de doctorat la Universitatea Tehnica Cluj Napoca, Prof. Maria Imecs (Szabo Csaba) | **1** | **5** |
| **7.** | Comisii de doctorat la Universitatea Tehnica Cluj Napoca, Prof Tiberiu Rusu (Tarean Cristina) | **1** | **5** |
| **8.** | Comisii de doctorat la Universitatea Tehnica Cluj Napoca, Prof Micea Ivan (Moga Rozica Gabriela) | **1** | **5** |
| **9.** | Comisie de doctorat la Universitatea Tehnica Cluj Napoca, Prof Radu Adrian Munteanu (Claudiu Balc) | **1** | **5** |
| **10** | Comisie de doctorat la Universitatea Tehnica Cluj Napoca, Prof Mihai Stelian Munteanu (Cosmin Valentin Dirzu) | **1** | **5** |
| **11** | Comisii de doctorat la Universitatea « Politehnica » Bucuresti, Prof. Brandusa Pantelimon (Dragomir Bogdan, Ghita Cristian, Marinescu Cristina, Dragomir Dorina, Popa Florin George, Viviana Bostan) | **6** | **30** |

| Nr crt. | Comisii de doctorat ( naţionale) | nr . | Punctaj |
|---|---|---|---|
| 12 | Comisii de doctorat la Universitatea « Politehnica » Bucuresti, Prof. Costin Cepisca (Edu Ioana, Enache Andreea, Urdea Marcus Ionel, Buga Mariana, Gandescu Costin, Gkanatsios Stavros) | 6 | 30 |
| 13 | Comisii de doctorat la Universitatea « Transilvania » Brasov, Prof Iuliu Szekely (Danciu Gabriel, Puscas Ana-Maria, Farkas Emil, Kelemen Andras, Muller Christof, Turosz Laszlo, Geza Csernat, Stanca Cornel, Hajdu Szabolcs) | 9 | 45 |
| 14 | Comisii de doctorat la Universitatea « Transilvania » Brasov, Prof Sorin Moraru (Badea Milian) | 1 | 5 |
| 15 | Comisie de docorat la Universitatea Alexandru Ioan Cuza Iasi, Prof. Maria Neagu (Velicu Laura) | 1 | 5 |
| 16 | Comisii de doctorat la Universitatea « Valahia » Targoviste, prof. Horia Andrei (Diaconu Emil, Marin Florentina, Marius Robert Ghita) | 3 | 15 |
| 17 | Comisii de doctorat la Universitatea Tehnica Gheorghe Asachi Iasi, Prof. Valeriu David (Andritoi Doru, Dafinescu Vlad, Pavel Ionel, Podaru Alexandru, Ovidiu Bejenaru) | 5 | 25 |
| 18 | Comisii de doctorat la Universitatea Tehnica Gheorghe Asachi Iasi, Prof. Cristian Fosalau (Ciubotaru Razvan, Ungureanu Iftode, Silion Stefan) | 3 | 15 |
| 19 | Comisii de doctorat la Universitatea Tehnica Gheorghe Asachi Iasi, Prof. Gheorghe Livint (Razvan Rafaila, Viorel Alexandru Rusu, Baltag Aida) | 3 | 15 |
| 20 | Comisii de doctorat la Universitatea Tehnica Gheorghe Asachi Iasi, Prof. Fanel Iacobescu (Fodor Aurel, Anghel Mirela) | 2 | 10 |
| 21 | Comisii de doctorat la Universitatea Tehnica Gheorghe Asachi Iasi, Prof. Romeo Cristian Ciobanu (Spiridonica Mihnea) | 1 | 5 |
| 22 | Comisii de doctorat la Universitatea Tehnica Gheorghe Asachi Iasi, Prof. Mihai Cretu (Matei Liviu) | 1 | 5 |
| 23 | Comisie de doctorat la Universitatea Tehnica Gheorghe Asachi Iasi, Prof. Nicolae Reus (Maricel Popa) | 1 | 5 |
| 24 | Comisii de doctorat la Universitatea Tehnica Gheorghe Asachi Iasi, Prof. Alexandru Salceanu (Bisca Narcis, Stan Andrei, Manolica Nicusor, Ursan Andrei, Bargan Liliana, Nicuta Ana, Bicleanu Paul, Ionete Eusebiu, Corciova Calin, Luca Catalina, Alistar Bogdan, Sandu Ionut, Dorin Botoc, Simona Gifei, Catalin Dumitrescu, Fuior Robert, Roman (Nechifor) Madalina | 17 | 85 |
| 25 | Comisie de doctorat la Universitatea « Politehnica » Bucuresti, Prof. Alexandru Morega (Yelda Veli) | 1 | 5 |
| 26 | Comisii de doctorat la Universitatea « Politehnica » Bucuresti, Prof.Mihai Octavian Popescu (Sima Catalina, Vlad Mocanu) | 2 | 10 |
| 27 | Comisie de doctorat la Universitatea « Politehnica » Bucuresti, Prof. Mihaela Morega (Sandu Ana Maria) | 1 | 5 |
| 28 | Comisie de doctorat la Universitatea « Politehnica » Bucuresti, Prof. George Seritan (Raicu Costel Ciprian) | 1 | 5 |
| 29 | Comisie de doctorat la Universitatea Craiova, Prof. Petre Marin Nicolae (Dina Livia) | 1 | 5 |
| 30 | Comisie de doctorat la Universitatea de Medicina si farmacie G. T. Popa Iasi, prof. Teodor Stamate (Mihaela Jemnoschi Hreniuc, Dan Trofin) | 2 | 10 |
| | **Total** | 87 | 435 |

### 3.6. Premii (Academia Română, ASAS, AOSR, academii de ramură şi CNCS, premii internaţionale, premii naţionale în domeniu)

| Nr crt. | Premii | nr . | Punctaj |
|---|---|---|---|
| 1. | | | |

**3.7. Membru în academii, organizaţii, asociaţii profesionale de prestigiu, naţionale şi internaţionale, apartenenţă la organizaţii din domeniul educaţiei şi cercetării.**

| Nr crt. | Membru | nr . | Punctaj |
|---|---|---|---|
| 1. | Chairman IMEKO Technical Committee 4 (membru al Board-ului format din 3 persoane) | 1 | 30 |
| 2. | Senior Member IEEE, Member number 80589958 | 1 | 5 |
| 3. | Membru IEEE IMS TC13 (Wireless & Telecommunication in Measurements) | 1 | 5 |
| 4. | Membru al IMEKO General Council | 1 | 5 |
| 5. | Trezorier IMEKO (IMEKO Officer) | 1 | 30 |
| 6. | Membru ESD Association | 1 | 5 |
| 7. | Membru AGIR, membru numarul 61875 | 1 | 2 |
| 8. | Membru ACER (Asociatia pentru Compatibilitate Electromagnetica din Romania) | 1 | 2 |
| 9. | Membru Consiliul de Acreditare RENAR | 1 | 2 |
| 10 | Membru CNCSIS, Comisia Ştiinţe Inginerești, 2004-2010 | 1 | 10 |
| 11 | Membru CNATDCU, Comisia inginerie electrica, 2010-2012 | 1 | 10 |
| 12 | Director al Consiliului pentru Studii Universitare de Doctorat, TUIASI | 1 | 15 |
| 13 | Vicepresedinte Societatea Română de Măsurări | 1 | 10 |
| 14 | Director executiv al Consiliului Director al Asociatiei SETIS | 1 | 10 |
| | Total | 14 | 141 puncte |

Data: iunie 2024

Semnatura Prof.dr.ing. Alexandru Salceanu

# MEMORIU DE ACTIVITATE

## I Date biografice

**Nume:** SALCEANU
**Prenume:** ALEXANDRU
**Data naşterii:** 14 noiembrie 1955
**Locul naşterii:** mun. Iași, jud. Iași
**Naţionalitatea:** română
**Starea civilă:** căsătorit, 2 copii
**Domiciliu:** Iași, str. Belvedere 16 A
**Telefon:** 0721571325
E-mail:alexandru.salceanu@academic.tuiasi.ro

## II Studii preuniversitare

**1962 - 1974** Toți cei 12 ani ai studiilor preuniversitare (Scoala primara, gimnaziu, liceu) absolviți la Colegiul Național ”Mihai Eminescu” din Iași.
**1971-1974** Clasa speciala de matematica
**Șef de promoție (media generala a celor 4 ani de liceu 9,96), media 10 la examenul de bacalaureat, sesiunea iunie 1974.**

## III Studii universitare și postuniversitare

**1975-1980** **Universitatea Tehnică ”Gheorghe Asachi” din Iași, Facultatea de Electrotehnică, Secția Electronică și Telecomunicații, media generală de absolvire 9.86 (media 10 la examenul de diplomă, sesiunea iunie 1980).**
**1986-1987** Curs postuniversitar "Electronică aplicată", absolvit cu media 10(zece).
**1990-1997** Studii Doctorale în domeniul inginerie electrică, (conducator prof.dr.ing. Mihai Antoniu), Universitatea Tehnica ”Gheorghe Asachi”, sustinere publică a tezei 4 Iulie 1997; (Confirmare O.M. 5374 / 20.11.1997).
**2006** Curs postuniversitar "ISO / IEC 17025: 2005-referential pentru acreditarea laboratoarelor de testare/calibrare" organizat de Asociația de Acreditare din Romania, Renar București.
**2010** Curs postuniversitar "Management Strategic", organizat de CETEX, Universitatea Tehnica ”Gheorghe Asachi”.
**2011** Curs postuniversitar "Cultură organizațională și leadership", organizat de CETEX, Universitatea Tehnica ”Gheorghe Asachi”.
**2011** Certificat competenta Limba Engleză, Cambridge Certificate numbers 0030622382 si 0030620838 din 11.05.2011, University of Cambridge, ESOL Examinations

## IV Activitate profesională

**1 Septembrie 1980- 30 Martie 1984**

Repartiție guvernamentala la Intreprinderea Mecanică Nicolina Iaşi, Romania, secția de automatizări. Aici am desfasurat activități de întreținere, reparații și proiectare a unor instalații de automatizări industriale.

Printre realizarile la care am fost autor sau co-autor se pot enumera:

- ✓ Sistem automat de supraveghere şi menţinere a flăcării (cu senzor de ionizare), aplicat la cuptoarele cu gaz metan din Secţia de Turnătorie a Fabricii;
- ✓ Instalaţie electrică de comandă şi control a motopompei de beton produse în acea perioadă la "Nicolina";
- ✓ Sistem electronic de programare şi dozare automată aplicat la centrala de beton (echipată cu doze tensometrice);
- ✓ Sistem electronic de programare şi control a planeităţii, aplicat la instalaţiile de mixturi asfaltice (tip NPK 01,02).

In aceasta perioadă am inceput cariera didactică, predând disciplina de Circuite și dispozitive electronice la cursurile de calificare si perfecționare profesionala destinate muncitorilor din Secția de Automatizări industriale.

**1 aprilie 1984 – 30 septembrie 1990**

Dupa terminarea stagiaturii, m-am transferat la Institutul National de Cercetare și Dezvoltare pentru Fizică Tehnică, Bulevardul. Prof.Dimitrie Mangeron 47, Iasi, Romania. La inceput Inginer tehnolog apoi Cercetător științific III (din 1988).

Am desfasurat activități de proiectare și cercetare în domeniul magnetometriei.

Printre realizarile la care am fost autor sau co-autor se pot enumera:

- ✓ Instalaţie automată pentru trasarea caracteristicilor materialelor magnetic moi, pilotată de calculator, ITCM –01 şi ITCM-02, însoţită de omologarea Standardului Tehnic de Ramură asociat;
- ✓ Fluxmetru integrator cu afişaj numeric, de Joasă Frecvenţă, IFM-01, însoţit de omologarea Standardului Tehnic de Ramură asociat;
- ✓ Instalaţie semiautomată pentru măsurarea caracteristicilor de magnetizare ale materialelor magnetic moi;
- ✓ Fluxmetru de vârf, pentru Înaltă Frecvenţă, IFMV-01, însoţit de omologarea Standardului Tehnic de Întreprindere asociat;
- ✓ Sistem multicanal de achiziţie pentru semnale lent variabile, SMAJ-01 şi 02, însoţită de omologarea Standardului Tehnic de Întreprindere asociat;
- ✓ Gaussmetru cu sondă Hall (model experimental şi omologare prototip) ;
- ✓ Fluxmetru real de valori efective, IFME-01, însoţit de omologarea Standardului Tehnic de Întreprindere asociat;

In aceasta perioadă am conceput primele articole stiintifice, am participat la primele simpozioane si conferinte stiintifice ("Progrese in fizica") și am depus primele brevete de inventie.

**1 octombrie 1990-28 Februarie 1996**

Asistent Universitar, Catedra de Masurari Electrice si Materiale Electrotehnice, Facultatea de Electrotehnica, Universitatea Tehnica "Gheorghe Asachi" din Iași

**1 martie 1996-28 Februarie 1999**

Sef de lucrari, Catedra de Masurari Electrice si Materiale Electrotehnice, Facultatea de Electrotehnica, Universitatea Tehnica "Gheorghe Asachi" din Iași

**1 martie 1999-28 Februarie 2002**

Conferentiar universitar, Catedra de Masurari Electrice si Materiale Electrotehnice, Facultatea de Electrotehnica, Universitatea Tehnica ”Gheorghe Asachi” din Iași, O.M. 3782/1999

**1 martie 2002 pînă în prezent:**

Profesor universitar, Departamentul de Masurari Electrice si Materiale Electrotehnice, Facultatea de Inginerie Electrica, Energetica și Informatică Aplicată, Universitatea Tehnica ”Gheorghe Asachi” din Iași, O.M. 4901/2002

**31 iulie 2008 pînă în prezent :**

Conducător științific de studii doctorale, domeniul Inginerie electrică, Ordinul Ministrului Educației, Cercetării și Tineretului no.4963 din 31.07.2008

# V Activitatea didactică

Am fost primul titular in Facultatea de Electrotehnica (devenita din 2011 Facultatea de Inginerie Electrică, Energetica și Informatica Aplicata) al disciplinelor de ”Zgomote și interferențe în instrumentatie”, ”Compatibilitate Electromagnetica” (in limba romana), ”Electromagnetic Compatibility” (in limba engleza), ”Certificare, standardizare și conformitate” și ”Software pentru birotica”, contribuind în mod esențial la realizarea suportului de curs, de laborator si a bazei materiale.

De asemenea, am mai predat disciplinele ”Măsurări electrice și electronice” (la Facultatea de Electronica, Telecomunicații și Tehnologia Informației, dar și la Secția de Energetica) și ”Sisteme de bord informatizate”, contribuind de asemenea la dezvoltarea bazei materiale si a suporturilor de curs și aplicații.

Concret, sunt autor sau coautor la 17 carti (capitole), din care 4 în limba engleză care constituie surse bibliografice pentru disciplinele predate.

# VI Activitate ştiinţifică

Activitatea stiințifică este sintetizata prin :

**6.1 Lucrari științifice** :

274 articole științifice, 3 brevete de inventii si 2 diplome de aur obținute la saloane de inventie internaționale ;

-19 lucrari publicate in jurnale cu factor de impact (ISI-WoS Core Collection-Clarivate Analytics);

-23 lucrari publicate in jurnale internationale, indexate în Baze de Date Internaționale (BDI)

-36 lucrari publicate in jurnale naționale, recunoscute de CNCSIS, B +, indexate în Baze de Date Internaționale (BDI)

-139 lucrări prezentate (și publicate în volumele de Proceedings) ale Conferintelor Internaționale, indexate BDI, din care:

- 63 indexate în Baza de Date Web of Science Core Collection,
- 76 indexate în alte baze de date internaționale, reprezentative pentru domeniul Inginerie electrică - IEEEXplore, Scopus, etc.

-57 lucrări prezentate (și publicate în volumele de Proceedings) ale Conferintelor Internationale, din care:

- 44 în volumele conferințelor internaționale organizate în străinătate,
- 13 în volumele conferințelor internaționale organizate în Romania.

**6.2 Granturi de cercetare obținute prin competiție**:

- 8 granturi Director /responsabil partener;
- 24 granturi membru în echipă.

**6.3 Expert evaluator al programelor de cercetare naționale** (UEFISCDI) si **internaționale** (Italia, Germania, Slovacia).
**6.4 Membru în 12 societăți științifice sau profesionale** (nationale și internationale)
**6.5 Chairman la 4 Conferinte internationale, indexate IEEExplore și Elsevier Scopus**
**6.6 Membru al Comitetelor Științifice (comitete de program) si recenzor la 7 Conferințe Șiințifice Internaționale.**
**6.7 Recenzor pentru: 18 Reviste Internaționale (13 WoS cu Factor de impact, 5 BDI)**
**6.8 Membru al Comitetului Științific (Editorial) a 8 reviste stiințifice internaționale (din care 2 sunt cu factor impact WoS si 6 sunt BDI).**

## VII Activitatea de Management Academic

2000-2008 Director al Departamentului de Masurari Electrice și Materiale Electrotehnice;
2008-2012 Decan al Facultatii de Inginerie Electrica , Energetica și Informatica Aplicată;
2008-prezent Director al Centrului de Cercetare Metros (Centru de excelență, acreditat de CNCSIS);
2008-2012, 2024-prezent, Membru al Consiliului de Administrație a Universității Tehnice:
2004-2008, 2008-2012 și 2016-2020, 2020-2024, Membru al Senatului Universității Tehnice ”Gheorghe Asachi” 4 mandate;
2020-2024, Vicepresedinte al Senatului Universitatii;
2004-2010, Membru CNCSIS (Consiliul National al Cercetării Științifice în Învățământul Superior, Comisia Științe Inginerești;
2010-2012, Membru al CNATDCU, Comisia de Inginerie Electrică;
2013- până în prezent Membru al Consiliului de Acreditare RENAR;
2015-2023, Secretar Științific, Deputy chairman (Presedinte executiv), Chairman (Presedinte) al IMEKO (International Measurement Confederation),Technical Committee 4,
2018- până în prezent IMEKO Officer, Trezorier.

## VIII Activitatea de Management a Programelor Doctorale

2008-2011 Long-term expert POSDRU project,” Doctoral Scholarships, an Investment in Intelligence (BRAIN)", ID 6681,
2009-2012 Long term expert POSDRU project,” Doctoral scholarships for research performance at the European level (EURODOC), ID 59410,
2010-2013 Long-term expert POSDRU project, "Doctoral studies for European performance in research and innovation - QUANTUMDOC", ID 79407,
2011-2014 Executive Manager, POSDRU project " Post-doctorate performance for integration into the European research area (PERFORMERA)", ID 57649,
2016-2024 Director al Centrului de Coordonare al Programelor Doctorale, Facultatea de Inginerie Electrică, Energetică și Informatică Aplicată,
2024- prezent Director al Consiliului pentru Studii Universitare de Doctorat.

**In virtutea acestor responsabilități am contribuit, de-a lungul celor 16 ani cat am avut atribuții de management al programelor doctorale, (ca autor sau co-autor) la elaborarea a peste 20 de metodologii, regulamente și proceduri menite să asigure armonizarea**

**legislatiei nationale referitoare la desfasurarea studiilor universitare de doctorat și reglementările interne din Universitatea Tehnică ”Gheorghe Asachi”.**
**In această perioadă am fost conducătorul științific a 17 teze de doctorat finalizate si confirmate prin ordin de ministru; Pentru a 18-a teză sunt în derulare procedurile de sustinere publica, alte 6 teze fiind în faza de finalizare si pregatire a sustinerii publice.**

**Iunie 2024** **Prof.dr.ing. Alexandru Sălceanu**

# Scientific activity transactions

## I Biographical data

**Name:** SALCEANU
**Given name:** ALEXANDRU
**Date of birth:** November 14, 1955
**Place of birth:** Iasi municipality, Iasi county
**Nationality:** Romanian
**Marital status:** married, two children
**Address:** Iași, str. Belvedere 16 A
**Phone:** 0721571325
**E-mail**:alexandru.salceanu@academic.tuiasi.ro

## II Pre-university studies

**1962 - 1974** All 12 years of pre-university studies (primary school, gymnasium, high school) completed at the "Mihai Eminescu" National College in Iași
**1971-1974** Special intensive mathematics class
**Head of promotion (general average of the four years of high school 9.96), grade(mark) 10 in the baccalaureate exam, June 1974 session.**

## III University and postgraduate studies

**1975-1980** **"Gheorghe Asachi" Technical University of Iași, Faculty of Electrical Engineering, Electronics and Telecommunications Department, overall graduation average 9.86 (mark 10 in the diploma exam, June 1980 session).**

**1986-1987** Postgraduate course "Applied Electronics," graduated with an average of 10 (ten)

**1990-1997** Doctoral studies in the field of electrical engineering, (supervisor Prof. Dr. Eng. Mihai Antoniu), "Gheorghe Asachi" Technical University, public defense of the thesis July 4, 1997; (Confirmation O.M. 5374 / 20.11.1997).

**2006** Postgraduate course "ISO / IEC 17025: 2005-referential for the accreditation of testing/calibration laboratories" organized by the Romanian Accreditation Association, Renar Bucharest.

**2010** "Strategic Management" postgraduate course, organized by CETEX, "Gheorghe Asachi" Technical University.

**2011** Postgraduate course "Organizational culture and leadership", organized by CETEX, "Gheorghe Asachi" Technical University.

**2011** English language proficiency certificate, Cambridge Certificate numbers 0030622382 and 0030620838 from 11.05.2011, University of Cambridge, ESOL Examinations.

## IV Professional activity

**September 1, 1980- March 30, 1984**

Intreprenea Mecanică Nicolina Iași, Romania, automation section. Here I carried out maintenance, repair and design activities of some industrial automation installations.

Among the achievements of which I was the author or co-author can be listed:

- Automatic flame monitoring and maintenance system (with ionization sensor), applied to methane gas furnaces in the Foundry Section of the Factory;
- Electric command and control installation of the concrete motor pump produced during that period at "Nicolina";
- Electronic programming and automatic dosing system applied to the concrete plant (equipped with tensometric doses);
- Electronic flatness programming and control system, applied to asphalt mixture installations (type NPK 01,02).

During this period, I started my didactic career, teaching the discipline of circuits and electronic devices in qualification and professional development courses intended for workers in the Industrial Automation Section.

**April 1, 1984 – September 30, 1990**

After finishing the compulsory factory internship, I transferred to the National Research and Development Institute for Technical Physics, Boulevard. Prof. Dimitrie Mangeron 47, Iasi, Romania.

At first Technological Engineer then Scientific Researcher III (since 1988).

I carried out design and research activities in the field of magnetometry.

Among the achievements of which I was the author or co-author can be listed:

- Automatic installation for tracing the characteristics of soft magnetic materials, controlled by the computer, ITCM-01 and ITCM-02, accompanied by the approval of the associated Technical Standard of the Branch;
- Integrating flowmeter with numerical display, Low Frequency, IFM-01, accompanied by the approval of the associated Technical Branch Standard;
- Semi-automatic installation for measuring the magnetization characteristics of soft magnetic materials;
- Peak fluxmeter for High Frequency, IFMV-01, accompanied by the approval of the associated Technical Enterprise Standard;
- Multichannel acquisition system for slowly variable signals, SMAJ-01 and 02, accompanied by the approval of the associated Technical Enterprise Standard;
- Gaussmeter with Hall probe (experimental model and prototype approval);
- Real fluxmeter of effective values, IFME-01, accompanied by the approval of the associated Technical Enterprise Standard;

During this period, I designed the first scientific articles, participated in the first scientific symposia and conferences ("Progress in physics"), and completed the first patents.

**1 October 1990-28 February 1996**

University Assistant, Department of Electrical Measurements and Electrotechnical Materials, Faculty of Electrical Engineering, "Gheorghe Asachi" Technical University in Iasi

**March 1, 1996-February 28, 1999**

University lecturer, Department of Electrical Measurements and Electrotechnical Materials, Faculty of Electrical Engineering, "Gheorghe Asachi" Technical University in Iași

**March 1, 1999-February 28, 2002**

Associated Professor, Department of Electrical Measurements and Electrotechnical Materials, Faculty of Electrical Engineering, "Gheorghe Asachi" Technical University of Iași, O.M. 3782/1999.

**March 1, 2002 until now:**

University professor, Department of Electrical Measurements and Electrotechnical Materials, Faculty of Electrical Engineering, Energetics and Applied Informatics, "Gheorghe Asachi" Technical University of Iasi, O.M. 4901/2002**.**

**July 31, 2008 until now:**

Scientific phD supervisor, Electrical Engineering Domain, Order of the Minister of Education, Research and Youth no. 4963 of 31.07.2008.

# V Didactic activity

I was the first to teach and deliver in the Faculty of Electrical Engineering (became in 2011 the Faculty of Electrical Engineering, Energy and Applied Informatics) the disciplines "Noise and interference in instrumentation", "Electromagnetic Compatibility" (in Romanian), "Electromagnetic Compatibility" (in English), "Certification, standardization and compliance" and "Software for office ", contributing essentially to the creation of course, laboratory support and the material base.

I also taught the courses "Electrical and electronic measurements" (at the Faculty of Electronics, Telecommunications and Information Technology, but also at the Energy Department) and "Computerized on-board systems", also contributing to the development of the material base and support course and applications.

Specifically, I am the author or co-author of 17 books (chapters), 4 of which are in English, which constitute bibliographic sources for the delivered courses.

# VI VI Scientific activity

The scientific activity is summarized by:

**6.1 Scientific papers:**

274 scientific articles, 3 invention patents, and 2 gold diplomas obtained at international invention salons;

-19 papers published in journals with an impact factor (ISI-WoS Core Collection-Clarivate Analytics);

-23 papers published in international journals, indexed in International Databases (BDI)

-36 papers published in national journals, recognized by CNCSIS, B +, indexed in International Databases (BDI)

-139 papers presented (and published in Proceedings volumes) of International Conferences, indexed by BDI, of which:

• 63 indexed in the Web of Science Core Collection Database,

• 76 indexed in other international databases, representative of the Electrical Engineering field - IEEEXplore, Scopus, etc.

-57 papers presented (and published in the volumes of Proceedings) of International Conferences, of which:

• 44 in the volumes of international conferences organized abroad,

• 13 in the volumes of international conferences organized in Romania.

**6.2 Research grants obtained through competition:**

• 8 grants Director / responsible partner;

• 24 grants as team member.

**6.3 Expert evaluator of national (UEFISCDI) and international (Italy, Germany, Slovakia) research programs.**

**6.4 Member in 12 scientific or professional societies (national and international)**

**6.5 Chairman at 4 International Conferences, indexed by IEEExplore and Elsevier Scopus**

**6.6 Member of the Scientific Committees (program committees) and reviewer at 7 International Scientific Conferences.**

**6.7 Reviewer for: 18 International Journals (13 WoS with Impact Factor, 5 BDI)**

**6.8 Member of the Scientific (Editorial) Committee of 8 international scientific journals (2 have WoS impact factor and 6 are BDI)**.

## VII Academic Management Activity

2000-2008 Director of the Department of Electrical Measurements and Electrotechnical Materials. the Faculty of Electrical, Power Engineering, and Applied Informatics;
2008-2012 Dean of Electrical, Power Engineering and Applied Informatics;
2008-present Director of the Metros Research Center (Centre of excellence, accredited by CNCSIS);
2008-2012, 2024-present, Member of the Board of Administration of the Technical University:
2004-2008, 2008-2012 and 2016-2020, 2020-2024, Member of the Senate of the Technical University "Gheorghe Asachi" 4 terms;
2020-2024, Vice-President of the University Senate;
2004-2010, Member of CNCSIS (National Council for Scientific Research in Higher Education, Engineering Sciences Commission);
2010-2012, Member of CNATDCU, Electrical Engineering Commission;
2013- until now, Member of the RENAR Accreditation Council;
2015-2023, Scientific Secretary, Deputy Chairman, Chairman of IMEKO (International Measurement Confederation), Technical Committee 4;
2018-present IMEKO Officer, Treasurer.

## VIII Management Activity of Doctoral Programs

2008-2011 Long-term expert POSDRU project," Doctoral Scholarships, an Investment in Intelligence (BRAIN)," ID 6681,
2009-2012 Long-term expert POSDRU project," Doctoral scholarships for research performance at the European level (EURODOC), ID 59410,
2010-2013 Long-term expert POSDRU project, "Doctoral studies for European performance in research and innovation - QUANTUMDOC", ID 79407,
2011-2014 **Executive Manager,** POSDRU project "Post-doctorate performance for integration into the European research area (PERFORMERA)", ID 57649,
2016-2024 Director of the Doctoral Programs Coordination Center, Faculty of Electrical, Power Engineering and Applied Informatics,
2024-present Director of the Council for Doctoral University Studies.

Over the course of my 16-year tenure in managing doctoral programs, I had the privilege of contributing to the development of over 20 methodologies, regulations, and procedures. These efforts, aimed at harmonizing national legislation and internal regulations, have left a

significant, positive impact on the development of doctoral university studies at the 'Gheorghe Asachi' Technical University.
During this period, I served as the scientific supervisor for 17 doctoral theses, all of which were successfully completed and confirmed by order of the minister. Currently, I am overseeing the public defense procedures for the 18th thesis, while another 6 theses are in the finalization and public defense preparation phase.

**June 2024** **Prof.dr.ing. Alexandru Sălceanu**