

Curriculum vitae Europass



Informații personale

Nume / Prenume

Albu Mihaela Marilena

E-mail(uri)

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albu@ieee.org

Naționalitate

Română

Experiența profesională

Perioada

octombrie 1987 – octombrie 1990

Funcția sau postul ocupat

Inginer stagiar

Numele și adresa angajatorului

Intreprinderea de Exploatare Rețele Exterioare la Inalta Tensiune București (EREIT)
Șoseaua Ștefan cel Mare 1A, București

Tipul activității sau sectorul de activitate

Cunoastere, inventariere și exploatare instalații din stațiile electrice operate de EREIT București;
Serviciul dispecer;
Serviciul telemăsurare;

Perioada

octombrie 1990 – prezent:

Funcția sau postul ocupat

Profesor abilitat conducere doctorat (2016);
Profesor (2002); conferențiar (2000), șef de lucrări (1998), asistent (1990)

Numele și adresa angajatorului

Universitatea Politehnică din București, Facultatea de Inginerie Electrică,
313 Spl. Independenței, București 060042, www.pub.ro

Tipul activității sau sectorul de activitate

Educație universitară și postuniversitară

Activități didactice – titular discipline:

Rețele electrice Inteligente; Prelucrarea semnalelor; Etica și Integritate Academică (Facultatea de Inginerie Electrică UPB);

Măsurarea Mărimilor Electrice, (Facultatea de Energetică UPB);

Elektrische Messtechnik; Sensoren & Aktuatoren; Leistungselektronik (FILS, UPB);

Activități de cercetare – director proiecte cercetare-dezvoltare (granturi naționale și internaționale obținute prin competiție), pe teme moderne din **electroenergetică:**

sisteme de măsurare sincronizată utilizând tehnologia PMU; tehnologii de măsurare inteligentă a energiei și servicii asociate; sisteme de măsurare distribuite; calitatea energiei electrice și standarde relevante; microrețele la tensiune continuă și hibride - detalii www.microderlab.pub.ro

Referent pentru IEEE Trans. on PWRD; IEEE Trans. on Smart Grid; IEEE Trans. on Sustainable Energy; IEEE Transactions on Neural Networks and Learning Systems; IEEE Trans. on Instr. and Measurements; IEEE Trans. on Power Systems; IEEE Systems Journal; Measurement (Elsevier), Revue Roumaine des Sciences Technique, Serie Electrotechnique; Buletinul Stiintific UPB; Energetica

Referent *Modern Measurements: Fundamentals and Applications* by Alessandro Ferrero, Dario Petri, Paolo Carbone, and Marcantonio Catelani, Eds. Wiley, 2015; *Active Power Line Conditioners to Increase Power Quality* by Patricio Salmerón Revuelta, Ed., Elsevier, 2015; Dictionar explicativ pentru stiintele exacte, Ed. Academiei Române, București 2003; Thong Vu Van, *Smart grid technology watch. Position, Function, Technology and Policy*, Report 3E Generatie, 2010

Publicatii: 7 cărți /capitole cărți; 100 publicații în reviste sau volumele unor conferințe cu recenzori si f.i.; 13 îndrumare de laborator (UPB); peste 100 rapoarte tehnice de cercetare.

ResearcherID A-5538-2010; h-index 10 (WoS), 20 (GoogleScholar), i10-index: 42 (GoogleScholar);

Expertiză profesională

- expert independent **H2020, InnovationFund** si **CEF Energy**, Brussels, 2014- 2021; **NCRD-PBSE** (Polonia), online, 2018, 2021; **FP7 - ICT, Security, REGPOT; Energy projects**, Bruxelles, 2011-2017; **FP6 - Smart Grids Cluster** of research projects, Bruxelles, 2008- 2011; **HR4SR**, Bruxelles, online, 2015-2020; **EUROSTARS**, 2016-2021, **ERANETMED** 2015; **NEWFELPRO** - Intern. Fellowship Mobility Progr. for Experienced Researchers in Croatia, 2014; **ANVUR /CINECA** (Agenzia Nazionale di Valutazione del Sistema Universitario e della Ricerca, Italia)- Evaluation of the Research Quality VQR 2011-2014, online, 2016-2017; **HubNet**, the Supergen Energy Networks Hub (UK), online, 2016; **ENERGY21**, Dublin, 2014; **Euramet, EMRP (EMPIR)** Calls for JRP and REG Proposals, 2009-2020; **ENERGYX** Program, Oslo, 2015; 2018, 2020; **ERAfrica** Joint Call of Programme Owners, Call 2013; **CONCERT-Japan** Research and Innovation Joint Call 2012; **FWO** (Research Foundation Flanders), online 2013, 2018; **NRC** (Research Council of Norway), online 2013, 2021; The **Polish-Norwegian Research Program**, online 2013; **CuBR** Joint Program, Poland online, 2014, 2017; The **New Eurasia Foundation** Moscow, Russia, online, 2010-2013; Russian Science Foundation, 2015-2017, 2020; **DESMI** Program, Research Promotion Foundation, the Republic of Cyprus - ICT Call, 2009; **NSF** (Bulgaria National Science Fund), online, 2008-2010; **INTAS** (INTAS Council of scientists, www.intas.org), online, 2004-2008; **GNSF** (Georgia National Scientific Council), online, 2006-2018; **IEE** (Intelligent Energy for Europe); **WIDESPREAD** -2020 TWINNING, online 2019; **CNCISIS- UEFISCDI**, Bucharest, 2003-2020;
- Membra in grupul **ETIP SNET** (European Technology and Innovation Platform Smart Networks for Energy Transition), **WG1**: Reliable, Economic and Efficient Smart Grid System, 2017-2020
- Membra in *Advisory boards* **FP7 - IDE4L** project, 2013-2016; **H2020 EriGrid** project, 2016-2019; **H2020 INTERPLAN** (INTEgrated opeRation PLAnning tool towards the Pan-European Network) 2017-2020; **EMPOWER** (INTEGRATED/0916/0035) 2019-2022
- Membra a *UNI-SET Steering Committee* ('UNIversities in the SET-Plan'), FP7 project 2014-2018 si EUA-EPUE
- Membra a ERIGrid User Selection Panel ('Connecting European Smart Grid Infrastructures'), H2020 project 2015-2019
- Moderator *Smart Grids Session at the SET Plan Conference on EU's Strategic Energy Technology Plan*, Stockholm, October 21-22, 2009;
- Membra a *MC, Intellicis: Intelligent Monitoring, Control and Security of Critical Infrastructure Systems*, COST Action IC0806, 2009-2013; **Vice-Chair WG2**: Reliable manag. and control of electric power systems;
- Membra a WG5, PV in grids, COST Action PEARL PV (CA16235) on "Performance and Reliability of Photovoltaic Systems: Evaluations of Large-Scale Monitoring Data", 2018-2021.
- Membra a *Advisory Board* for the Engineering Education Report, a web-based platform for analysis of the impact of new technologies on engineering education, 2011-
- IBM/IEEE Smarter Planet Challenge (SPC) Student Competition review process: 2013, 2014, 2015
- GE Leadership Program – Romania, 2008-2016;
- Membra in comitetele de selectie pentru Fulbright Commission in Romania, 2008-2020;
- Gazda (UPB) a specialistilor/ bursieri/ **Fulbright**: dr. Reza Nekovei (2008-2009); dr. James Dennison (2010-2011); dr. Viviana Vladutescu (2017-2018);
- IEEE Transactions on Power Delivery, editor, 2012-2015
- IET Science, Measurements and Technology, Associate Editor, 2018-
- Sustainable Energy, Grids and Networks – SEGAN Journal (Elsevier), Editor, 2020-

Realizări notabile

- **Bursier Senior Fulbright** la Arizona State University, Tempe, AZ (dr. G.T.Heydt)
Synchronized measurements in WAMCS (2010); Power Quality (2002-2003).
- **Distinguished Lecturer** IEEE Instrumentation and Measurement Society (*High Reporting Rate Measurements for Smart[er] Grids*), 2017-2022
- Membra a IEEE Joseph F. Keithley Award in Instrumentation & Measurement Committee, 2019-2022
- Membra IEEE IMS TC 39, *Measurements in Power Systems – 2016 Outstanding TC award*
- Membra in **Comisia de Inginerie Electrica** a Consiliului Național de Atestare a Titlurilor, Diplomelor si Certificatelor Universitare (**CNATDCU**), 2020-2024
- Membra in **Comitetul de Conducere a Scolii Doctorale de Inginerie Electrica, 2020-**

Educație și formare

Perioada

16-18 July 2007

Absolventa a cursului [PI.61s]: *Leadership Skills for Engineering and Science Faculty*, MIT Professional Institute, Cambridge, MA.

Perioada

1993-1998

Diploma obținută

Dr. ing. (17 martie 1998)

Teză de doctorat "**Contribuții Privind Studiul Fenomenelor Tranzitorii pe Linii Electrice de Înaltă Tensiune cu Aplicație la Proiectarea Protecțiilor Numerice de Distanță**" - susținută public la 16 ianuarie 1998; conducător științific: Prof. dr. ing. Arie Arie

Numele și tipul instituției de învățământ	Universitatea Politehnică București, Facultatea de Energetică,
Perioada	1982-1987
Calificarea / diploma obținută	Inginer; Diplomă de merit – șef de promoție
Disciplinele studiate / competențe dobândite	Rețele electrice. Măsurări electrice. Sisteme electrice. Protecții și Automatizări.– programa secției Electroenergetică a Facultății de Energetică din UPB. Premii naționale la concursurile "Traian Lalescu" (matematică, bazele electrotehnicii) și la Conferințele Studentești (Premiul I la a XVIII-a Sesiune Națională de Comunicări Științifice Studentești, Cluj 1986).
Numele și tipul instituției de învățământ	Universitatea "Politehnică" București, Facultatea de Energetică, secția Electroenergetică.
Limba(i) străină(e)	
Autoevaluare	
Nivel european (*)	
Limba engleza	
Limba franceza	
Limba germana	
Competențe și abilități sociale	Spirit de echipă (fondator grupul MicroDERLab, www.microderlab.pub.ro, 2005-); Adaptabilitate (bursier peste 40 de luni în Europa și SUA). Voluntariat profesional (IEEE Instr. & Meas. Society, 2009-2016) și civic (ad-astra, 2005-)
Competențe și aptitudini organizatorice	Manager de proiect (total aprox. 3 mil. euro); formare și coordonare echipe de cercetare complexe (parteneriat național și internațional). <ul style="list-style-type: none"> • Organizator de evenimente științifice internaționale - IEEE AMPS, Applied Measurements for Power Systems, Aachen 2012-2019; 6th COST action Workshop IntellICIS, May 2012, Bucharest; IEEE SMFG, Smart Measurements for Future Grids, Bologna, noiembrie 2011; IEEE AMUEM, IEEE Int. Workshop on Adv. Methods for Uncert. Estimation in Meas., 6-7 July Bucharest 2009; membra (Europe lead) a comitetului de organizare a seriei Microgrids Symposium: Evora, Portugal- Sept. 2012.; Santiago de Chile, Chile - Sept. 2013.; Tianjin, China -Nov. 2014; Aalborg, Denmark- Sept. 2015; Newcastle, Australia- Nov. 2017; Bucuresti, Romania - sept. 2018; Fort Collins, Colorado - August 2019; Singapore - Oct. 2021; Moderator și organizator Mese Rotunde IRE (2010-), evenimente /întâlniri de lucru IEC (2019-), etc.
Alte competențe	<ul style="list-style-type: none"> • Membră activă în organizații profesionale: •AGIR (www.agir.ro); • CIGRE (Conseil International des Grands Réseaux Electriques, www.cigre.org), 2009- ; membru (observator) în SC6 2012-2016; membru în WG B5.41 (2009-2015): Investigation of possibilities to improve metering systems for billing purposes in substations; • membru VDE (www.vde.de), Energietechnik (ETG) și Mess- und Automatisierungstechnik (GMA), 2010-; • senior member IEEE (www.ieee.org), (M'98, SM'08); Vice-President Membership Dev. (2010-2011) and Technical Activities (2012-2013) of the Instr. and Meas. Society; Chapter Chair IEEE IMS Romania Chapter 2017-2019 • IRE (www.ire.ro), 2005-; •ASRO (Romanian Standards Association, www.asro.ro) - membru CT140 (corresp. CLC/TC 57 & CEI/TC 57, Power systems management and associated information exchange EMS-SCADA); CT167 (corresp. IEC/PC 118; IEC/SC 8A; IEC/TC 115; IEC/TC 8; CLC/SR 115; CLC/SR 118; CLC/TC 8X, System aspects of electrical energy supply); CT24; • Membră activă și co-autor al documentelor elaborate de IEC și CEN-CENELEC: membra TC8X-WG7 și IEC SC77A WG9 - Power Quality Measurement Methods; IEC TC 8/SC 8B/JWG 1 - General Planning, Design, Operation and Control of Microgrids, 2017-; TC 38/WG 55 - Uncertainty evaluation in the calibration of Instrument Transformers, 2018-; SyC LVDC/OF Open Forum 1 - Platform for open exchange of technologies, innovations, challenges in LVDC, 2018-; SyC LVDC/WG 1 - LVDC Standards for Electricity Access, 2018; IEC TC8/JWG 9 - LVDC distribution, 2020 -; IEC TC8/JWG12: System aspects of electrical energy supply-Requirements for frequency measurement used to control DER and loads) 2019- Standardization Ambassador, ASRO, Bucharest, Oct. 2018; • Third Prize, World Energy Council, FOREN 2014, July 2014. • Best paper award for M. Asprou, E. Kyriakides, and M. Albu, "The effect of instrument transformer accuracy class on the WLS state estimator accuracy," IEEE Power and Energy Society General Meeting, Vancouver, Canada, July 2013 (presented in the Session: "Best Papers on Network Analysis and Dynamic Performance").

Anexa 1. Listă proiecte de cercetare (director de proiect) – selecție proiecte recente:

1. **EMERGE (Advanced Measurement Framework for Emerging Power Systems), 2021-2023**, PN-III-P4-ID-PCE2020-2, P.I. Mihaela Albu
2. **I-GRETA (ERA-NET Energy Storage Solutions), 2020-2024**, *Intelligent FIWARE-based Generic Energy Storage Services for Environmentally Responsible Communities and Cities*, coordinated by RWTH Aachen University, Germany, UPB team leader dr. Mihaela Albu.
3. **FISMEP (ERA Net Smart Grids Plus), 2017-2020**: Coordinated by RWTH Aachen University, Germany, the project aims to unlock Smart Grid Technologies and Services by means of a standardized software platform that can support interoperability. UPB team leader dr. Mihaela Albu.
4. **DCNextEvE a H2020 –MSCA (2016-2018) project (Fellow dr. Irina Ciornei)** with the main purpose to design and analysis of novel methods for management and control of multiple building scale DC microgrids operating on a specific territory (region) and willing to share the same objective (coordinated distributed management). Host (UPB): dr. Mihaela Albu
5. **NobelGrid**, a H2020 project (2014-2018) with the aim to develop, deploy and evaluate advanced tools and ICT services for energy DSOs cooperatives and medium-size retailers, enabling active consumers involvement and flexibility of the market; 21 partners from industry, academia and utilities; UPB team leader: dr. Mihaela Albu
6. **REDESIGN (ERASMUS+), 2016-2019**, an interdisciplinary project which aims is to bring together a group of experienced practitioners in diverse disciplines, such as electrical engineering, computer-assisted language learning, second language pedagogy, and ICT from different academic institutions and organizations across Europe to redesign parts of their courses to offer immersive, engaging, and collaborative learning experiences for students across different academic institutions. The project is coordinated by the University of Cyprus. UPB team leader dr. Mihaela Albu.
7. **ActiveDGModel**, Active distribution networks. Parameters identification and function analysis using synchronized measurement systems PN-II-ID-PCE-2011-3-0693 , P.I. Mihaela Albu, 2012-2016.
8. **SyncPower**, Synchronized measurement technology for a higher degree of monitoring and control in the power systems of Cyprus and Romania, Bilateral Research Program România-Cyprus, Project Directors M. Albu, E. Kyriakides, 2014-2015
9. **Hybrid**, The formulation of the next generation state estimator by utilizing synchronized phasor measurements. Project financed by Cyprus Research Promotion Foundation. Project partners: University of Cyprus, UPB, Cyprus TSO, 2012-2014, UPB team leader dr. Mihaela Albu
10. **SMART REGIONS**, Promoting smart metering best practices in EU, CIP-IEE-2009, consortium coordinator Jyväskylä Innovation Ltd., FI; UPB P.I. Mihaela Albu, 2010-2013.
11. **WideView**, The use of telecommunications and GPS technology for the real-time wide-area monitoring and control of power systems, Project financed by Cyprus Research Promotion Foundation, Project partners: University of Cyprus, Arizona State University, UPB , Cyprus TSO, 2012-2013, UPB team leader dr. Mihaela Albu
12. **EnergyMAD**, funded by the DERri FP7 project, Laboratory access for MicrodERLab team: Mihai Călin, Tiberiu Tudorache, Radu Porumb, Mihaela Albu (P.I.), 2012
13. **VSYNCR**, Virtual synchronous machines for frequency stabilization in future grids with a significant share of decentralized generation, Proiect STREP FP6, coordonator Energy research Centre of Netherland (ECN); UPB P.I. Mihaela Albu, 2007-2011
14. **ADVANCEDGRIDS**, Enabling the integration of wide area measurement systems in the electric power grids of Cyprus and Romania (Integrarea sistemelor de măsurare pe arii extinse în rețelele electrice din Cipru și România), Bilateral Research Programme Romania-Cipru, Principal Investigators M. Albu, E.Kyriakides, 2010-2011.
15. **TAMPERE**, Advanced measurement solutions and parameter estimation techniques for active distribution networks, Grant CNCSIS IDEI 1402, P.I. Mihaela Albu, 2009-2011.
16. **ENHIT**, Emerging technologies for power supply of high-tech buildings, National Research Project – PNCD II-Parteneriate nr. 21065/14.09.2007, Project co-ordinator M. Albu, 2007-2010
17. **PQACTNET (Power Quality Assessment in Active Distribution Networks)**, Contract colaborare științifică bilaterală România-Cipru, Principal Investigators M. Albu, E.Kyriakides, 2008-2009.
18. **DCnet**, DC Distribution Networks for Industrial Applications, CNCSIS 010608/07.06/2006 (Consortiu), P.I. M. Albu, 2006-2008
19. **DCiDER - Emerging DC Distribution Grids for Optimal Use of Dispersed Generation - finanțat de Autoritatea Națională pentru Cercetare Științifică prin programul „Cercetare de Excelență” – Modulul I**, CEEX 109/10.10.2005, P.I. M. Albu, 2005-2008

Listă proiecte de cercetare (Key Person) – selecție proiecte recente:

- **Storage4Grid**, financed under H2020 Programme, topic LCE-01-2016, coord. Istituto Superiore Mario Boella, Italy, UPB Project Director Mihai Sanduleac, 2016-2020
- **RE-SERVE**, Renewables in a Stable Electric Grid, financed under H2020 Programme, topic LCE-07-2016-2017, coord. Ericsson, Germany; UPB Project Director Lucian Toma, 2016-2019
- **ITcity**, funded by ERA-NET LAC, coord. UPB Project Director Ana Maria Dumitrescu, 2017-2019

Anexa 2: Listă selectivă a prezentărilor și conferințelor invitate (recente)

-evenimente internaționale:

- Mihaela Albu, **2020**, invited talk on *Phasor Measurement Units and the Semantic Noise in State Estimators*, at Evolution of Power Systems - A Workshop in memory of Elias Kyriakides, [online], 22 oct. 2020
- Mihaela Albu, **2020**, webinar on *Measurements in the Emerging Power Systems: The Case of Phasor Measurement Units*, IEEE IMS Virtual Distinguished Lecturer Webinar Series, [online], 10 sept. 2020
- Mihaela Albu, **2020**, invited talk on *Measurement issues in emerging power grids*, Galveston Bay Section IEEE Joint Societies Chapter, [online], 17 July 2020
- Mihaela Albu, **2020**, invited talk on *Measurements and definitions relevant in electric power systems*, Amity University, [online], 02 June 2020
- Mihaela Albu, **2019**, invited talk on *Intelligent Measurement Systems for Smart[er] Grids*, Ogarev Mordovia State University, Saransk, Russia Federation, 11 Sept. 2019
- Mihaela Albu, **2019**, invited talk on *Measurements in [Electric] Power Systems*, the PMU Metrology Meeting at PNNL, Richland, WA, 23 April 2019
- Mihaela Albu, **2019**, invited talk on *Intelligent Measurement Systems for Smart[er] Grids Control*, ICACCP Conference, Sikkim Manipal Institute of Technology, Sikkim, India, 27 February 2019
- Mihaela Albu, **2018**, technical talk on *Measurements and Models*, Universiti Teknologi Malaysia, Kuala Lumpur, 28 November 2018
- Mihaela Albu, **2018**, *High Reporting Rate Measurements for Smart(er) Grids*, Keynote Speaker at the 5th International Conference on Smart Instrumentations, Measurements and Applications, Songkla, Thailand, 29 November 2018
- Mihaela Albu, **2018**, *The new role of measurements in emerging power systems*, Invited Lecture at DynPower Workshop, Winterthur, Switzerland, 17 September 2018
- Mihaela Albu, **2018**, panelist at *DC-hybrid grids support*, Directorate General for Energy, Brussels, 27 May 2018;
- Mihaela Albu, **2017**, *High Reporting Rate Measurements for Smart(er) Grids*, Invited Lecture at the IEEE-RDCAPE Conference, Amity University Uttar Pradesh, Noida, India, 27 Oct. 2017
- Mihaela Albu, **2017**, *High Reporting Rate Measurements for Smart(er) Grids*, Technical Lecture Series, University of Manchester, 18 Sept. 2017
- Mihaela Albu, **2017**, *DC microgrids*, at “Relevance of electronic components and systems in the energy domain” – experts meeting, Brussels, 4th Sept. 2017
- Mihaela Albu, **2017**, *Embedding Intelligence in Future Grids conflicting visions, common perspective*, Fraunhofer IoT Innovation and Networking Days, Sankt Augustin, Germany, 22 May 2017
- Mihaela Albu, **2017**, *Future connectivity networks & mission-critical services in the energy sector - a measurement perspective* at “5G and Energy” – experts meeting, Brussels, 14th March 2017
- Mihaela Albu, **2016**, *Measurement technology and the new models in emerging power systems*, Outlook Session: Education for the future Energy systems, at the Universities in the SET-Plan (Uni-SET) 3rd energy clustering event, Bucharest, 24 November 2016.

-evenimente nationale:

- Mihaela Albu (org.), Radu Plamanescu, Stefan Gheorghe, **2019**, Synchronized measurements in the FISMEP project, at the IRE Workshop „Emerging energy systems and the use of synchronized measurements”, Bucharest, 13 June 2019
- Mihaela Albu, Mihai Sanduleac, Viorel Petre **2018**, Self-consumption analysis using enhanced (NobelGrid) Smart meters, at the IRE Workshop „Smart Metering for Smart Cities”, Bucharest, 27 June 2018
- Mihaela Albu, **2018**, Noutati privind masurarea frecventei in IEC si CEN-CENELEC, at CIGRE B5 meeting, Sibiu, 29 March 2018
- Mihaela Albu, Mihai Sanduleac, **2017**, Smart Metering for energy communities- the Storage4Grid project (Aplicatii ale contorizarii inteligente in configuratie USM pentru comunitatile de utilizatori care includ prosumeri - proiectul Storage4Grid - in Romanian), at the Smart Metering Symposium, Sibiu, 16 Nov. 2017
- Mihaela Albu, **2017**, Who is in the time capsule?– the role of universities towards the 100% RES goal, Panel discussion on Network codes, governance and regulatory issues for the transition towards 100% RES, Sustainable Energy Week, Bucharest, June 2017
- Mihaela Albu, **2017**, MicroDERLab and the R&D European perspectives (MicroDERLab@UPB: profilul actual in peisajul C&D/R&D European si mondial. Teme de viitor, perspective de colaborare si potențiale surse de impas in Romanian), at the IRE Workshop „Perspectivele cercetarii romanesti in energie”, Bucharest, 1 Nov. 2017

Anexa 3 Listă selectivă a publicațiilor recente

- ✚ Radu Plamanescu; Ana-Maria Dumitrescu; Mihaela Albu; Siddharth Suryanarayanan, **2021**, A Hybrid Hilbert-Huang Method for Monitoring Distorted Time-Varying Waveforms, *Energies* 2021, 14(7), 1864; <https://doi.org/10.3390/en14071864> - 27 Mar 2021
- ✚ L. Toma, M-. Sanduleac, M-. Albu, C-. Diaconu, C-. Stanescu, **2020**, Frequency analysis in the Romanian power system under major grid disturbances, *Proc. of the CIGRE Session 48, C4 – Power System Technical Performance PS2 / Modelling of the Future Grid Based on Lessons Learned from System Events*, Paris, August 2020.
- ✚ E. S. N. Raju P. ; Alexandru Nechifor; Mihaela M. Albu; James Yu; Vladimir Terzija, **2020**, Development and Validation of a New Oscillatory Component Load Model for Real-time Estimation of Dynamic Load Model Parameters, *IEEE Transactions on Power Delivery*, 2020, Volume: 35, Issue: 2, DOI: 10.1109/TPWRD.2019.2918059
- ✚ Maliheh Haghgoo, Alberto Dognini, Thomas Storek, Radu Plamanescu, Ulrike Rahe, Stefan Gheorghe, Mihaela Albu, Antonello Monti and Muller Dirk, **2020**, *Open Smart Energy Eco-System for the Future*, accepted for Proc. of BEYOND2020, Gothenborg, November 2020
- ✚ H. Nicorescu, M. Eremia, Mihaela Albu, **2019**, On the Impact of Winding Selection of Current Instrument Transformers for PMU Measurements, *Proc. of 2019 11th International Symposium on Advanced Topics in Electrical Engineering (ATEE)*, March 2019, Bucharest, Romania, WOS:000475904500061;
- ✚ R. Plamanescu, S. Gheorghe, M. Sarb, A. Istenes, Mihaela Albu, **2019**, A Synchronized Measurements Firmware Platform for Smart Grid Applications, *Proc. of 2019 11th International Symposium on Advanced Topics in Electrical Engineering (ATEE)*, March 2019, Bucharest, Romania, WOS:000475904500054;
- ✚ Markos Asprou, Elias Kyriakides, Mihaela M. Albu, **2018**, Uncertainty Bounds of Transmission Line Parameters Estimated From Synchronized Measurements, *IEEE Trans. on Instrumentation and Measurement*, volume: 68, Issue: 8, Aug. 2019, ISSN 0018-9456, DOI: 10.1109/TIM.2018.2867966, WOS:000476746200013
- ✚ Mihaela Albu, Mihai Sanduleac, Carmen Stanescu, **2017**, Syncretic use of smart meters for Power Quality monitoring in emerging networks, *IEEE Transactions on Smart Grid*, Volume: 8, Issue: 1, pp. 485 – 492, 2017
- ✚ Mihai Sanduleac, Irina Ciornei, Mihaela Albu, Lucian Toma, Marta Sturzeanu, Joao Martins, **2017**, Resilient Prosumer Scenario in a Changing Regulatory Environment—The UniRCon Solution, *Energies* 2017, 10(12), 1941;
- ✚ A. Nechifor, Mihaela Albu, R. Hair, V. Terzija, **2016**, An enterprise platform for wide area monitoring of load dynamics using Synchronized Measurement Technology, *Elsevier, IFAC-PapersOnLine*, Volume 49, Issue 27, 2016, pp. 85-90
- ✚ Marnay, C. ; Kroposki, B. ; Mao, M. ; Xu, H. ; Chong, A. ; Chung, S. ; Hara, R. ; Ise, T. ; Iravani, R. ; Katiraei, F. ; Albu, M. ; Hatziargyriou, N. ; Funabashi, T. ; Reilly, J. ; Driesen, J. ; Jimenez, G. ; Vallve, X., **2015**, The Tianjin 2014 Symposium on Microgrids: A meeting of the minds for international microgrid experts, *IEEE Electrification Magazine*, Vol. 3, Issue: 1, 2015
- ✚ Al. Nechifor, Mihaela Albu, R. Hair, V. Terzija, **2015**, A flexible platform for synchronized measurements, data aggregation and information retrieval, *Electric Power Systems Research*, Elsevier, March 2015

- **CIGRE TB 826 Hybrid Systems for Off-Grid Power Supply**, Jan. **2021**, Members WG. C6.28: B. Buchholz, Convener De, P. Chusovitin, Secretary Ru, H. Bitaraf Us, M. Ross Ca, J. Glassmire Us, H. Farag Ca, J.C. Smith Us, R. Seethapathy Ca, M. Albu Ro, K. Ash Au, M. Brucoli Uk, P.H.R.P. Gama Br, T. Funabashi Jp, P. Kotsampopoulos Gr, K. Yukita Jp, S. Tselepis Gr, A. Zomers† Nl, Corresponding Members H. Farhangi Ca, E. Silva Br, N. Luib De, J. Aderaldo Lopes Br, C. Marnay Us, P. Lopes Cavalcante B
- Ana Maria Dumitrescu, Mihaela Albu, **2019**, *Calitatea energiei electrice. Determinări cu rata mare de raportare*, MatrixRom, Bucuresti, 2019, ISBN 978-606-25-0517-2
- Borana Taraj, Douglas Halliday, et al., Eds., **2017**, *Energy Transition and the Future of Energy Research, Innovation and Education: An Action Agenda for European Universities*, EUA, Dec. 2017, Brussels; available online: <https://energy.eua.eu/component/attachments/attachments.html?id=299>
- S. Renner, M. Albu, s.a., **2012**, *European Smart Metering Landscape Report*, available from the SMART REGIONS project: Promoting smart metering best practices in EU, www.smartregions.net, Febr. 2011(1st ed), Sept. 2012 (2nd ed.)
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