

Curriculum vitae Europass



Informații personale

Nume / Prenume **Albu Mihaela Marilena**
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Naționalitate Romana
Data nașterii 16.11.1963

Experiența profesională

Perioada Oct. 1990 – prezent
Funcția sau postul ocupat **Profesor abilitat conducere doctorat (2016);**
Profesor (2002);
conferențiar (2000),
șef de lucrări (1998),
asistent (1990)

Principalele activități și responsabilități

Activități didactice – titular curs **Prelucrarea semnalelor; Rețele electrice Inteligente; Etica și integritate Academica** (Facultatea de Inginerie Electrică UPB); **Măsurarea Mărimilor Electrice**, (Facultatea de Energetică UPB); **Elektrische Messtechnik; Sensoren&Aktuatoren** (FILS, UPB); toate cursurile online la www.microderlab.pub.ro

Activități de cercetare – director proiecte (granturi naționale și internaționale) pe teme: microrețele la tensiune continuă și hibride; sisteme de măsurare sincronizată utilizând tehnologia PMU; tehnologii de măsurare inteligentă a energiei și servicii asociate; sisteme de măsurare distribuite; laboratoare online și virtuale; calitatea energiei electrice și standarde relevante; - detalii www.microderlab.pub.ro

Expertiză profesională

- expert independent **H2020** and **CEF Energy**, Brussels, 2014- 2020; **NCRD-PBSE** (Polonia), online, 2018; **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**, 2016-2017, **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 (Norway-India), Oslo, 2015; 2018; **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; 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; **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; **WIDESPREAD** -2020 TWINNING, online 2019; **CNCSIS- 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;
- Membra a *UNI-SET Steering Committee* ('UNIversities in the SET-Plan'), FP7 project 2014-2018
- 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.
- Member of the Advisory Board for the Engineering Education Report, a web-based platform for analysis of the impact of new technologies on engineering education, starting with 2011, available at <http://ohm.ieec.uned.es/eer/about.php>
- IBM/IEEE Smarter Planet Challenge (SPC) Student Competition review process: 2013, 2014, 2015
- GE Leadership Program – Romania, 2008-2016;
- Gazda (UPB) a specialistilor/ bursieri/ **Fulbright**: dr. Reza Nekovei (2008-2009); 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-
- **Membra a IEEE Joseph F. Keithley Award in Instrumentation & Measurement Committee**, 2019-2022

Numele și adresa angajatorului

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

Tipul activității sau sectorul de activitate

Educație universitară și postuniversitară
7 cărți /capitole cărți; 30 publicații în reviste cu f.i.; peste 150 lucrări în volumele unor conferințe cu recenzori; 13 îndrumare de laborator (UPB); peste 100 rapoarte tehnice de cercetare.
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;
Referent *Modern Measurements: Fundamentals and Applications* by Alessandro Ferrero, Dario Petri, Paolo Carbone, and Marcantonio Catelani, Eds. to be published by 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; mThong Vu Van, *Smart grid technology watch. Position, Function, Technology and Policy*, Report 3E Generatie, 2010

Educație și formare

Perioada

1998, ianuarie

Calificarea / diploma obținută

Dr. ing.

Discipline principale studiate / competențe dobândite

Teză de doctorat " *Contribuții Privind Studiul Fenomenelor Tranzitorii pe Liniile Electrice de Înaltă Tensiune cu Aplicație la Proiectarea Protecțiilor Numerice de Distanță*" - susținută public la 9 ianuarie 1998; *conducător științific: Prof. dr. ing. Arie Arie*

Numele și tipul instituției de învățământ

Universitatea Politehnica București, Facultatea de Energetică,

Perioada

1982-1987

Calificarea / diploma obținută

Inginer; **Diplomă de merit** – șef de promoție.

Discipline principale studiate / competențe dobândite

Rețele electrice. Măsurări electrice. Sisteme electrice. – 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 "Politehnica" București, Facultatea de Energetică, secția Electroenergetică.

Limba(i) străină(e)

Autoevaluare

Nivel european (*)

Limba engleza

Limba franceza

Limba germana

| Înțelegere | | | | Vorbire | | | | Scriere | |
|------------|-------------------------|--------|-------------------------|-------------|-------------------------|---------------|-------------------------|------------------|-------------------------|
| Ascultare | | Citire | | Conversație | | Discurs orale | | Exprimare scrisă | |
| C2 | Utilizator experimentat | C2 | Utilizator experimentat | C1 | Utilizator experimentat | C1 | Utilizator experimentat | C1 | Utilizator experimentat |
| C1 | Utilizator experimentat | B2 | Utilizator independent | B1 | Utilizator independent | B1 | Utilizator independent | B1 | Utilizator independent |
| C1 | Utilizator experimentat | C1 | Utilizator experimentat | B2 | Utilizator independent | B1 | Utilizator independent | B1 | Utilizator independent |

| | |
|---|--|
| Competențe și abilități sociale | Spirit de echipă (fondator grupul MicroDERLab, www.microderlab.pub.ro); Adaptabilitate (bursier peste 40 de luni în Europa și SUA). Voluntariat profesional (IEEE Instr. & Meas. Society, 2009-2016; ad-astra) |
| Competențe și aptitudini organizatorice | Manager de proiect (total aprox. 3 mil. euro); Steering Committee Microgrids Symposium , Sept. 2012, Evora, Portugal; Sept. 2013, Santiago de Chile, Chile; Nov. 2014 Tianjin, China; Aalborg, Denmark, Sept. 2015; Newcastle, Australia, Nov. 2017; Bucuresti, Romanian, sept. 2018; Fort Collins, Colorado, August 2019; IEEE AMPS , Applied Measurements for Power Systems, Aachen 2012-2019; 6th COST action Workshop IntelligIS , May 2012, Bucharest; IEEE SMFG , Smart Measurements for Future Grids. Bologna, 2011; IEEE AMUEM 2009, IEEE Int. Workshop on Adv. Methods for Uncert. Estimation in Meas., 6-7 July Bucharest 2009 |
| Informații suplimentare | Bursier Senior Fulbright la Arizona State University, Tempe, AZ– in 2010 și 2002-2003 . ResearcherID A-5538-2010; h-index 9 (WoS), 19 (GoogleScholar), i10-index: 25 (GoogleScholar); Distinguished Lecturer IEEE Instrumentation and Measurement Society (High Reporting Rate Measurements for Smart[er] Grids), 2017-2022 Standardization Ambassador, ASRO, Bucharest, October 2018 |
| Alte competențe și aptitudini | Membru activ 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; • IEC CENELEC , 2016- 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- Membru IEEE IMS TC 39, <i>Measurements in Power Systems</i> – 2016 Outstanding TC award |

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

- 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
- 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
- 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.
- 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.
- 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.
- 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
- 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
- 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, EC funding: 75000 euros.
- 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.

10. **EnergyMAD**, funded by the DERri FP7 project, Laboratory access for MicroDERLab team: Mihai Călin, Tiberiu Tudorache, Radu Porumb, Mihaela Albu (P.I.), 2012
11. **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
12. **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.
13. **TAMPERE**, Advanced measurement solutions and parameter estimation techniques for active distribution networks, Grant CNCISIS IDEI 1402, P.I. Mihaela Albu, 2009-2011.
14. **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
15. **PQACTNET** (Power Quality Assessment in Active Distribution Networks), Contract colaborare științifică bilaterală România-Cipru, Principal Investigators M. Albu, E.Kyriakides, 2008-2009.
16. **DCnet**, DC Distribution Networks for Industrial Applications, CNCISIS 010608/07.06/2006 (Consortiu), P.I. M. Albu, 2006-2008
17. **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

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

-evenimente internaționale:

- Mihaela Albu, **2019**, invited talk on *Measurement for Smart[er] Grids. Teaching and Research at UPB*, 13th EURAMET Electricity and Magnetism contact persons meeting, Bucharest, 9 Oct. 2019
- 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, **2019**, technical talk on *High Reporting Rate Measurements for Smart(er) Grids*, Indian Institute of Engineering Science and Technology, Shibpur, West Bengal, 01 March 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, **2018**, *Future electricity grids: conflicting visions, common perspective*, Invited Lecture at SATEE 2018, Alba Iulia, 22 June 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*, Invited Lecture at the 5th IEEE-ISEEE Conference, Technical University “Dunarea de Jos” Galati, 21 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**, *UPB - MicroDERlab experience*, in Panel session *Addressing global challenges through research collaboration*, at the Fourth Arab-Euro Conference on Higher Education (AECHE 4) –Rabat, 25 April 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.
- Mihaela Albu, Elias Kyriakides, **2016**, *The impact of measurements on power system state estimation*, Tutorial IEEE- I2MTC Conf., Taipei, 23 May 2016.
- Mihaela Albu, **2015**, panelist session *Materials for Power Train - Critical Technologies*, EuroCASE workshop Innovation in Cooperation Airbus Group, Regional Electrical Aircraft Critical Technologies Review, Munich, 1st July 2015.

-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
- Irina Ciornei, Mihaela Albu, **2017**, Microgrids and cell-based energy systems (Microretele si sisteme de energie in conceptie celulara. Definitii, provocari, proiecte, perspective, in Romanian), at the Symposium “Tehnologii și arhitecturi ale sistemelor energetice ale viitorului”, Energy Committee of the Romanian Academy - CEAR, Bucharest, 14 Sept. 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, 23 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
- Mihaela Albu, **2015**, O platformă pentru măsurări sincronizate, agregare de date și extragere de informație, (coautor Alexandru Nechifor), Ro-CIGRE B5 Workshop, Vidraru, 26 martie 2015

Anexa 3 Listă selectivă a publicațiilor recente

- ✚ 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
- ✚ Markos Asprou, Elias Kyriakides, Mihaela M. Albu, **2018**, Uncertainty Bounds of Transmission Line Parameters Estimated From Synchronized Measurements, *IEEE Trans. on Instrumentation and Measurement*, vol. -, Issue: -, pp. 1-8, early access, ISSN 00189-9456,
- ✚ M. Sanduleac, João F. Martins, Irina Ciornei, Mihaela Albu, L. Toma, Vitor Fernão Pires, L. Hadjidemetriou and R. Sauba, **2018**, Resilient and Immune by Design Microgrids Using Solid State Transformers, *Energies* 2018, 11(12), 3377; <https://doi.org/10.3390/en1123377>,
- ✚ 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,
- ✚ A. M. Dumitrescu, Mihaela Albu, **2015**, Discuție privind aplicabilitatea măsurărilor sincronizate în rețelele moderne de distribuție, *Energetica*, 2015
- ✚ Markos Asprou, Elias Kyriakides, Mihaela Albu, **2014**, The Effect of Variable Weights in a WLS State Estimator Considering Instrument Transformer Uncertainties, *IEEE Trans. on Instrumentation and Measurement*, 2014,
- ✚ Mihaela Albu, A. Dumitrescu, R. Popovici, **2014**, Rate of Change of Frequency - a Power Quality Descriptor, *Proc. of IEEE 16th International Conference on Harmonics and Quality of Power (ICHQP 2014)*, Bucharest, Romania, pp. 312 - 316, May 2014,
- ✚ Markos Asprou, Elias Kyriakides, Mihaela Albu, **2013**, The Effect of Variable Weights in a WLS State Estimator Considering Instrument Transformer Uncertainties, *IEEE Trans. on Instrumentation and Measurement*, 2013,
- ✚ Mihai Calin, Ana Maria Dumitrescu, Markos Asprou, Elias Kyriakides, Mihaela Albu, **2013**, Measurement Data Aggregation for Active Distribution Networks, *Proc. of IEEE Applied Measurements for Power Systems AMPS2013*, Aachen, 25-27 Sept. 2013
- ✚ Dumitrescu A.M., Mihaela Albu, **2012**, Robustness against measurement component for controllers in LV active filter, *Proc. of IEEE Applied Measurements for Power Systems AMPS2012*, Aachen, 26-28 Sept. 2012
- ✚ M. Asprou, E. Kyriakides, Mihaela Albu, **2012**, "The Effect of Parameter and Measurement Uncertainties on Hybrid State Estimation, *Proc. of the IEEE Power Engineering Society General Meeting*, San Diego, CA, U.S.A., 22-26 July 2012
- ✚ Mihaela Albu.; Kyriakides, E.; Chicco, G.; Popa, M.; Nechifor, A., **2010**, Online Monitoring of the Power Transfer in a DC Test Grid, *IEEE Transactions on Instrumentation and Measurement*, vol. 59, Issue: 5, 2010, Page(s): 1104 – 1118

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- Carmen Golovanov, Mihaela Albu, coord., **2001**, *Probleme moderne de măsurare în electroenergetică*, 800pp., Editura Tehnică București,
- 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.)
- Ana Maria Dumitrescu, Mihaela Albu, **2019**, Calitatea energiei electrice. Determinari cu rata mare de raportare, 110 pagini, Editura MatrixRom, Bucuresti, 2019, ISBN 978-606-25-0517-2