



Curriculum vitae

Europass



Informații personale

Nume / Prenume

Albu Mihaela Marilena

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albu@ieee.org

<https://crescdi.pub.ro/#/profile/1269>

Naționalitate

Romana

Experiența profesională

Perioada

octombrie 1987 – octombrie 1990

Funcția sau postul ocupat

Inginer stagiar

Numele și adresa angajatorului

Intreprinderea de Exploatare Retele 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, în lb. germană);

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

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

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

ResearcherID A-5538-2010; h-index 14 (WoS), 22 (GoogleScholar), i10-index: 51 (GoogleScholar); 18 Scopus)

- expert independent **Horizon Europe, H2020, InnovationFund** si **CEF Energy**, Brussels, 2014- 2025; **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**, 2016-2023, **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, 2009-2023; **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, 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; **CNCIS- UEFISCDI**, Bucharest, 2003-2023; **MCID**, expert Sipoca 592 (2021)
- 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; **STRATEGY** (Facilitating EU pre-Standardization process Through stReamlining and vAlidating inTeroperability in systems and procEdures involved in the crisis manaGement cYcle) 2021-2023;
- 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'), 2015-2025
- 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"**, 2018-2022.
- 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, 2011-
- 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-
- Sustainable Energy, Grids and Networks – SEGAN Journal (Elsevier), Editor, 2020-
- **Referent** pentru IEEE Trans. on PWRD; IEEE Trans. on Smart Grid; IEEE Trans. on Sustainable Energy; IEEE Trans. on Instr. and Measurements; IEEE Trans. on Power Systems; IEEE Systems Journal; Measurement (Elsevier), Revue Roumaine des Sciences Technique; Buletinul Stiintific UPB; Energetica s.a.
- **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

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*), 2017-2024
- 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 -
- Membra a **Colegiului Consultativ pentru Cercetare-Dezvoltare și Inovare (CCCDI)**, 2021-2025

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 Linile 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 Politehnica București, Facultatea de Energetică,

Perioada

1982-1987

Calificarea / diploma obținută

Inginer; **Diplomă de merit** – șef de promoție (dintre cei 700 de absolvenți în întreaga țară).

Discipline studiate / principale 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 Studențești (**Premiul I la a XVIII-a Sesiune Națională de Comunicări Științifice Studențești, Cluj 1986**).

Numele și tipul instituției de învățământ

Universitatea "Politehnica" București, Facultatea de Energetică, secția Electroenergetică.

Limba(i) străină(e)

Autoevaluare

Nivel european (*)

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	C2	Utilizator experimentat	C1	Utilizator experimentat	C1	Utilizator experimentat

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).

- **Organizator de evenimente științifice** internaționale - **IEEE AMPS**, Applied Measurements for Power Systems, Aachen /Bern/ Caserta/București 2012-2025; 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; București, Romania - sept. 2018; Fort Collins, Colorado - August 2019; Singapore - Oct. 2022; EnergyVille Genk – Sept. 2023; Moderator și organizator **Mese Rotunde IRE** (2010-), evenimente /întâlniri de lucru IEC (2019-) – IEC TC 38 General meeting, Bucharest 2-6 Oct. 2023; CIGRE (2015-), etc.

- **Coordonator echipa proiect „Engineer your Future!”**, partener de implementare Asociația „IEEE Romania Members”, „Small Grants for Alumni Programs”, Ambasada Statelor Unite la București, 2021-2022

- **Proctor** of the “Powerhouse” team from UPB (Alexandru Nechifor, Dan Spatarel and Mihai Gherghe), in the International Programming Competition **IEEEExtreme Challenge** -ranked 3rd in 2015; ranked 8th in 2014, ranked 6th in 2013 (worldwide)

Alte competențe

- 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. **NOVETROL**, Novel current control for climate neutral energy infrastructure, Horizon Europe, Project Coordinator dr. Mihaela Albu, (12/01/2024) 12/01/2024-11/30/2027,
2. **ECom4Future** (ERA-NET CET Partnership Call), 2024-2026, FIWARE Driven Energy Communities for the Future, coordinated by RWTH Aachen University, Germany, UPB team leader dr. Mihaela Albu
3. **CARDEA** (Towards a Europe-Wide Training and Networking Scheme for Research Managers), a HORIZON-WIDERA project coordinated by University College Cork, 2022-2026
4. **EMERGE (Advanced Measurement Framework for Emerging Power Systems), 2021-2023**, PN-III-P4-ID-PCE2020-2, P.I. Mihaela Albu
5. **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.
6. **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
7. **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
8. **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.
9. **ActiveDGMModel**, 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.
10. **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
11. **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
12. **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.
13. **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
14. **EnergyMAD**, funded by the DERri FP7 project, Laboratory access for MicrodERLab team: Mihai Călin, Tiberiu Tudorache, Radu Porumb, Mihaela Albu (P.I.), 2012
15. **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
16. **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.
17. **TAMPERE**, Advanced measurement solutions and parameter estimation techniques for active distribution networks, Grant CNCISIS IDEI 1402, P.I. Mihaela Albu, 2009-2011.
18. **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
19. **PQACTNET** (Power Quality Assessment in Active Distribution Networks), Contract colaborare științifică bilaterală România-Cipru, Principal Investigators M. Albu, E. Kyriakides, 2008-2009.
20. **DCnet**, DC Distribution Networks for Industrial Applications, CNCISIS 010608/07.06/2006 (Consortiu), P.I. M. Albu, 2006-2008
21. **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, **2024**, *Measurements for emerging power grids*, National Institute of Technology Silchar, invited DL at NIT Silchar, India, 28th January 2024
- Mihaela Albu, **2024**, *Measurements for emerging low inertia power systems*, 2024 3rd International Conference on Control, Instrumentation, Energy & Communication (CIEC), Kolkata, 26th January 2024
- Mihaela Albu, **2024**, *Measurements and Models for WAMSC*, Institute of Engineering & Management, invited DL at University of Kolkata, 25th January 2024
- Mihaela Albu, **2023**, *Assessment of power flow variability in low inertia grids*, invited DL at 5th International Conference on Recent Developments in Control, Automation & Power Engineering, 13 October 2023, Amity University Noida, [online]
- Mihaela Albu, **2023**, *Career Acknowledgement for Research Managers*, 34th KOWI Annual Conference on EU Funding for Research & Innovation, Rostock, 15 June 2023
- Mihaela Albu, **2023**, *Towards emerging power systems: Correlation of national, European and international R&D efforts*, International research collaboration opportunities fostering EU Clean Energy transition in Romania – PANTERA / SUPEERA joint workshop, 23rd March 2023, Bucharest, Romania
- Mihaela Albu, **2023**, lecture on *Measurements for flexible power grids*, ISINA Conference, Chemnitz, Germany, 31 March 2023 [online]
- Mihaela Albu, **2022**, Keynote lecture on *High Reporting Rate Measurements for Smart[er] Grids*, IEEE ETCM Conference, Quito, Ecuador, 13 oct.2022
- Mihaela Albu, Grigore Stamatescu, **2022**, *Data Pre-processing Techniques for Multiscale Measurement Analytics*, Tutorial IEEE- I2MTC Conf., Ottawa, 16 May 2022.
- Mihaela Albu, **2022**, talk on *Measurements and models for PV integration in prosumers' environment*, Session „PV in the built environment”, at the COST Action PEARL PV's Conference Enabling the PV Terawatt Transition University of Twente, Enschede, The Netherlands, 15 March 2022 [online]
- Mihaela Albu, **2022**, International Guest Lecture on *Measurements for low inertia grids control*, Amity Univ., Noida, India, 7 June. 2022
- Mihaela Albu, **2022**, lecture on *Measurements in Smart Grids*, ATHENS network course on *Smart Grids*, UPB, Bucharest, 16 March 2022
- Mihaela Albu, **2022**, talk on *High Reporting Rate Measurements for Smart[er] Grids*, 4th IEEE Intern. Conf. on Emerging Smart Computing & Informatics, Pune, India, 11th March 2022 [online]
- Mihaela Albu, **2021**, talk on *Modelling and Data Analytics in Smart Grids*, Measurement Challenges related to Smart Electricity Grids, (Session 2), 25 Nov. 2021
- Mihaela Albu, **2021**, invited talk on *[DC] Measurements and Quality of Service*, Webinar on Low Voltage Direct Current (LVDC) and DC Technologies: Potential applications for a clean energy transition, Directorate General for Energy, Brussels, 10 Nov. 2021
- Mihaela Albu, **2021**, Panel Discussion on *the Impact of Standardization on Digitalizing the Electricity Sector*, The Role of Standardization to Fostering the Digitalization of the Electricity Grid, EUROPEAN STANDARDIZATION EVENT, 3 Nov. 2021
- Mihaela Albu, **2021**, invited talk on *Measurements for Emerging Power Systems Control*, RDCAPE 2021, Amity Univ., India, 8 Oct. 2021
- Mihaela Albu, **2021**, invited talk on *High Reporting Rate Measurements for Smart[er] Grids*, 28th Annual Seminar on Automation, Industrial Electronics and Instrumentation (SAAEI2021) Ciudad Real, [online], 09 July 2021
- Mihaela Albu, **2021**, invited talk on *High Reporting Rate Measurements for Smart[er] Grids IEEE Malabar Subsection - 56th Talk of the Webinar Series*, [online], 24 June 2021
- 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, **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, **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*, Technical Lecture Series, Univ. 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.
- Mihaela Albu, Elias Kyriakides, **2016**, *The impact of measurements on power system state estimation*, Tutorial IEEE- I2MTC Conf., Taipei, 23 May 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 Meering 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**, 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

Anexa 3. Listă selectivă a publicațiilor recente

- ✚ N. Hatzigargyriou, M. Brucoli, J. Driesen, M. Albu, G. Mendes and R. Plamanescu, **2024**, "The EnergyVille 2023 Symposium on Microgrids [Newsfeed]," in IEEE Electrification Magazine, vol. 12, no. 1, pp. 86-92, March 2024, doi: 10.1109/MELE.2023.3348336.
- ✚ A. P. Brancoveanu, R. Plamanescu, A. -M. Dumitrescu and M. Albu, **2024**, "Voltage variability assessment in power systems", RRST-EE, vol. 69, no. 2, pp. 171-176, Jul. 2024, doi: 10.59277/RRST-EE.2024.2.9, WOS:001265977200009.
- ✚ A. P. Brancoveanu, R. Plamanescu, A. -M. Dumitrescu and M. Albu, **2024**, "Variability assessment of net power profiles for prosumers with PV generation" U.P.B. Sci. Bull., Series C, Vol. 86, Iss. 4, 2024, ISSN 2286-3540
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