

PERSONAL INFORMATION

Eva-Henrietta DULF



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Sex Female | Cetățenia Română

POSITION APPLIED FOR

Researcher

WORK EXPERIENCE

- 2020-present **Member of the National Council for Attestation of University Degrees, Diplomas and Certificates (CNATDCU)**
- 2014-present **Professor**
 Technical University of Cluj-Napoca, Department of Automation
 - Didactical and research activities
- 2006-2014 **Associate professor**
 Technical University of Cluj-Napoca, Department of Automation
 - Didactical and research activities
 - [Business or sector](#) University, R&D
- 2002-2004 **Assistant lecturer**
 Technical University of Cluj-Napoca, Department of Automation
 - Didactical and research activities
 - [Business or sector](#) University, R&D
- 1999-2002 **Teaching assistant**
 Technical University of Cluj-Napoca, Department of Automation
 - Didactical and research activities
 - [Business or sector](#) University, R&D
- 1998-1999 **PhD student**
 Technical University of Cluj-Napoca, Department of Automation
 - Didactical and research activities
 - [Business or sector](#) University, R&D

EDUCATION AND TRAINING

2015	Habilitation in Automatic Control	Level 8 EQF
	Technical University of Cluj-Napoca	
	▪ Advanced approaches of nonconventional process control	
1998-2006	PhD in Automatic Control	Level 8 EQF
	Technical University of Cluj-Napoca	
	▪ Advanced control system design ▪ Isotope separation columns modelling, optimisation and control	
1997-1998	Post-graduate certificate	Level 7 EQF

	Technical University of Cluj-Napoca, Systems and Computer Sciences, Modern techniques in control
	▪ Advanced control system design
1992-1997	Engineer diploma
	▪ Technical University of Cluj-Napoca, Faculty of Automation and Computer Science, Department of Automation and Industrial Informatics
	▪ Control system design

PERSONAL SKILLS

Mother tongue(s)

Hungarian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
Romanian	C2	C2	C2	C2	C2
English	B2	B2	B2	B2	B2
Linguistic competence certificate of Technical University of Cluj-Napoca					
German	A2	B1	A2	A2	B1

ADDITIONAL INFORMATION

Publications

- 12 books or book chapters
- 99 papers in ISI journals and ISI Proceedings
- 43 papers in proceedings of international conferences
- 6 patents proposals
- 1 patent

Projects

- 4 institutional projects (director of 1, assistant director of 1, member in 2)
- 35 research projects (director of 15, member in 20)

Conferences

- organizer of the special sessions “Fractional Order Modeling and Control” and “Separation process modeling and control” at the AQTR-2014 International Conference, Cluj-Napoca, Romania
- organizer of the International Conference on Fractional Signals and Systems, FSS 2015
- organizer of the special session “Applied Fractional Order Calculus” at the AQTR-2016 International Conference
- organizer of the special session “Modern control methodologies and modeling techniques” at the AQTR-2018 International Conference
- Invited speaker at IEEE International Conference on Systems, Man, and Cybernetics October 9-12 2016, Budapest, Workshop on Women in Engineering <http://physcon.uni-obuda.hu/?q=en/node/48>
- international program committee member at: ACSG 2017 – International Workshop on Advance Control in Smart Grid held in conjunction with the 21st International Conference on Control Systems and Computer Science, 29-31 MAY 2017; 18th International Carpathian Control Conference – ICC 2017, 28-31 May 2017 Sinaia, Romania; IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics AQTR 2014 (THETA 19), etc.
- Associate Editor for ICSTCC 2017 (21st International Conference on System Theory, Control and Computing)
- Program Committee Member of IEEE 30th Jubilee Neumann Colloquium, <http://neumann-kollokvium.njszt.hu/#>
- IPC member of the 7th IFAC Symposium on System Structure and Control, September 6-8, 2019, Sinaia, Romania
- Associate Editor for ICSTCC 2019 (22nd International Conference on System Theory, Control and Computing)
- organizer of the special session "Advances in fractional order modelling and control" at the 15th International Conference Dynamical Systems. Theory and Applications, December 2-5, 2019, Łódź, POLAND https://www.dys-ta.com/special_sessions
- organizer of the special session “Impact of fractional calculus in modelling and control applications” at the International Conference on Mathematical Analysis and Applications in Science and Engineering, July 20-24, 2020, Porto, Portugal,

https://www.isep.ipp.pt/Page/ViewPage/ICMASC_SS?fbclid=IwAR0toZurB1TgNMBOzFGUkeY_bfZg3UyWEoT4iy-12JjYnprnceLk2z3jTRvs

- Technical committee member at 2020 International Conference on Control and Decision (ICoCD 2020), Sydney, Australia, February 14-16, 2020, <http://www.icocd.org/com>
- Technical Committee Member ACSG 2021– International Workshop on Advanced Control in Smart Grid, <https://shiva.pub.ro/en/acsg2021/>

Honours and awards

- FIRI DIPLOMA presented to R.A. Munteanu, E.H. Dulf, C. Festila, R. Munteanu, Gh. Todoran, FIRI Award for the best invention "Analog electronic transducer for DC power measurement", 40th International Exhibition of Inventions, New Techniques and Products Geneva, April 18-22, 2012, Geneva, Switzerland
- Special Award, Recipient: Munteanu A.R., Dulf E.H., Festila C., Munteanu R., Todoran Gh., Product: Analog Electronic Transducer for DC Power Measurement, Taiwan Invention Association, April 20, 2012
- Medaille d'or de remettre a: R.A. Munteanu, E.H. Dulf, C. Festila, R. Munteanu, Gh. Todoran pour l'invention: Traducteur électronique analogique pour mesures de puissance en courant continu, Salon International des Inventions, Geneve, le 20 avril 2012
- Gold medal for the innovation „Analog Electronic Transducer for DC Power Measurement”, The Belgian and International Trade Fair for Technological Innovation, EUREKA 2012, Brussels
- Diploma de excelență și medalia de aur cu mențiune specială se acordă Munteanu A.R., Dulf E.H., Festila C., Munteanu R., Todoran G. pentru Grup de invenții, Salonul Internațional de Inventică PRO INVENT, ediția a X-a, 2012, Cluj-Napoca
- Special award of International fair of Inventions Inventika, Bucharest 2011 for the patent „Level Cryogenic Capacitive Transducer with Coplanar Plates for Liquid Nitrogen”
- Gold medal for „Cryogenic capacitive level sensor with coplanar plate for liquid nitrogen”, The XVI-th International Exhibition of Research, Innovation and Technological Transfer INVENTICA 2012, Iași
- Gold medal for „Intuitive Method and Electronic Device for Phase Measurement by Frequency Analyzer”, European Exhibition of Creativity and Innovation, EUROINVENT 2012, Iași
- Gold medal for „Analog Electronic Transducer for DC Power Measurement”, European Exhibition of Creativity and Innovation, EUROINVENT 2012, Iași
- FIRI DIPLOMA presented to R.A. Munteanu, E.H. Dulf, C. Festila, R. Munteanu FIRI Award for the best invention "Cryogenic capacitive transducer with coplanar plates, used to measure the level of liquid nitrogen", 41st International Exhibition of Inventions, New Techniques and Products Geneva, April 10-14, 2013, Geneva, Switzerland
- Medaille d'or de remettre a: R.A. Munteanu, E.H. Dulf, C. Festila, R. Munteanu, pour l'invention: Capteur capacitif cryogenique pour la mesure du niveau d'azote liquide, Salon International des Inventions, Geneve, le 12 avril 2013
- Gold medal for „Cryogenic Capacitive Transducer”, European Exhibition of Creativity and Innovation, EUROINVENT 2013, Iași
- Gold medal for „Cryogenic capacitive transducer with coplanar plates used to measure the liquid nitrogen”, The XVII-th International Exhibition of Research, Innovation and Technological Transfer INVENTICA 2013, Iași
- Grand award of the Technical University of Moldova is accorded to Munteanu R.A., Dulf E.H., Festila Cl., Munteanu R. for „Cryogenic capacitive transducer with coplanar plates used to measure the liquid nitrogen”, Republica Moldova, 2013
- Silver medal for „Cryogenic capacitive transducer with coplanar plates used to measure the liquid nitrogen”, INFOINVENT, International Exposition, XIII-th edition, Chișinău, Republica Moldova, 2013
- Gold medal with mention for the innovation „Cryogenic capacitive transducer with coplanar plates used to measure the liquid nitrogen level”, The Belgian and International Trade Fair for Technological Innovation, EUREKA 2013, Brussels
- Diploma awarded to Munteanu R.A., Dulf E.H., Festila Cl., Munteanu R. for „Cryogenic capacitive transducer with coplanar plates used to measure the liquid nitrogen”, Brussels Innova 2013, 62nd Exhibition on Inventions, Research and New Technologies, 2013
- Premiul special al Incubatorului de inventica al Federației Ruse (Vladislav Fadeev), Salonul Internațional de Invenții, Geneva 2013
- Special Award for "Analog Electronic Transducer for DC Power Measurement", Taiwan Prominent Inventor Association, Burssele, 2014
- Award the diploma international Europe France Inventeurs (E.F.I.) for "Analogue electronic transducer for measuring power in direct current circuits", 2014
- Gold medal for the innovation „Analogue electronic transducer for measuring power in direct current circuits”, The Belgian and International Trade Fair for Technological Innovation, EUREKA 2014,

Brussels

- Medaille d'or de remettre a: R.A. Munteanu, E.H. Dulf, C. Festila, R. Munteanu, pour l'invention: "Intuitive method and electronic device to establish the phase displacement by frequency analyzers", Salon International des Inventions, Geneve, le 2-6 avril 2014
- Golden award for "Intuitive method and electronic device to establish the phase displacement by frequency analyzers", 12th International Innovation Exhibition, ARCA, 15-18 October 2014, Zagreb, Croatia
- Golden medal to Dulf E.H., Munteanu A.R., Festila C., Munteanu R for "Nonconventional frequency-analysis algorithm", International invention Exhibition PRO INVENT, XIII, 2015, Cluj-Napoca
- Excellence award to Dulf E.H., Munteanu A.R., Festila C., Munteanu R pentru "Nonconventional frequency-analysis algorithm", Universitatea Valahia Târgoviște, International invention Exhibition PRO INVENT, XIII, 2015, Cluj-Napoca
- Special Prize to inventors R.A. Munteanu, E.H. Dulf, C. Festila C., R. Munteanu, "Metodă intuitivă și aparat electronic pentru măsurarea defazajului în analiza frecvențială", "Lucian Blaga" University of Sibiu, 13th International Exhibition of Research, Innovation and Inventions PRO INVENT 2015
- Diplome Europe France Inventeurs decerne a E.H.Dulf, R.A. Munteanu, Cl. Festila, R. Munteanu pour son invention, Geneve 2015
- CAI Award, Prize of China Delegation of the Exhibition presented to E.H.Dulf, R.A. Munteanu, Cl. Festila, R. Munteanu in recognition of the outstanding performance and idea demonstrated by the invention "Nonconventional algorithm for frequency analysis", 43rd International Exhibition of Inventions, New Techniques and Products, Geneva, 15-19 April, 2015
- Diploma for the Rostislav Alekseev Award given to E.H.Dulf, R.A. Munteanu, Cl. Festila, R. Munteanu for "Nonconventional algorithm for frequency analysis", 43rd International Exhibition of Inventions, New Techniques and Products, Geneva, 15-19 April, 2015
- Gold medal to E.H.Dulf, R.A. Munteanu, Cl. Festila, R. Munteanu for "Nonconventional algorithm for frequency analysis", 43rd International Exhibition of Inventions, New Techniques and Products, Geneva, 15-19 April, 2015
- Gold medal with special mention offered to E.H.Dulf, R.A. Munteanu, Cl. Festila, R. Munteanu for "Nonconventional algorithm for frequency analysis", The XIX-th International Exhibition of Research, Innovation and Technological Transfer "Inventica 2015", Iasi, Romania, June 24-26, 2015
- Gold medal to E.H.Dulf, R.A. Munteanu, Cl. Festila, R. Munteanu for "Nonconventional algorithm for frequency analysis" 64th Bruxelles-EUREKA, INNOVA, 19-21 Nov 2015, Bruxelles, BELGIA
- Award of Poland to E.H.Dulf, R.A. Munteanu, Cl. Festila, R. Munteanu for "Nonconventional algorithm for frequency analysis" 64th International Exhibition of Inventions, Bruxelles-EUREKA, INNOVA, 19-21 Nov 2015, Bruxelles, BELGIA
- Award of Belgium to E.H.Dulf, R.A. Munteanu, Cl. Festila, R. Munteanu for "Nonconventional algorithm for frequency analysis" 64th International Exhibition of Inventions, Bruxelles-EUREKA, INNOVA, 19-21 Nov 2015, Bruxelles, BELGIA
- Gold medal to inventors C.I. Muresan, E.H. Dulf, "Procedeu de acordare a reguletoarelor fractionare pentru procese multivariabile cu timpi morti (MIMO FO-IMC)", PRO INVENT 2017
- Gold medal E.H. Dulf, Radu A. Munteanu, Clement Festila, Radu Munteanu, "Wind Turbine", Salon International des Inventions Geneve, 13 apr. 2018
- Honorable Mention of China Delegation to E.H. Dulf, Radu A. Munteanu, Clement Festila, Radu Munteanu, "Wind Turbine", 46th International Exhibition of Inventions of Geneva, 13 apr. 2018
- Merit Award of International Strategic Technology Alliance (ISTA) to E.H. Dulf, Radu A. Munteanu, Clement Festila, Radu Munteanu, "Wind Turbine", 46th International Exhibition of Inventions of Geneva, 13 apr. 2018
- Distinguished Innovation Award of King Abdulaziz University to E.H. Dulf, Radu A. Munteanu, Clement Festila, Radu Munteanu, "Wind Turbine", 46th International Exhibition of Inventions of Geneva, 11-15 Apr. 2018
- Award of Executive Agency for Higher Education, Research, Development and Innovation Funding (UEFISCDI) for the paper: Systematic Modeling of the (13C) Isotope Cryogenic Distillation Process, PN-II-RU-PRECISI-2012-6-0075
- Award of Executive Agency for Higher Education, Research, Development and Innovation Funding (UEFISCDI) for the paper: Robust Control of a Catalytic 2 Ethyl-hexenal Hydrogenation Reactor, PN-II-RU-PRECISI-2012-6-0089
- Award of Executive Agency for Higher Education, Research, Development and Innovation Funding (UEFISCDI) for the paper: Modeling, analysis, and simulation of a cryogenic distillation process for C-13 isotope separation, PN-II-RU-PRECISI-2012-6-0584
- Award of Executive Agency for Higher Education, Research, Development and Innovation Funding (UEFISCDI) for the paper: Comparative analysis of different control strategies for a train of cryogenic ¹³C separation columns, Chemical Engineering and Technology, vol. 38, no. 4, pp. 619-631, DOI: 10.1002/ceat.201400550, UEFISCDI, PN-II-RU-PRECISI-2015-9-7521

- Award of Executive Agency for Higher Education, Research, Development and Innovation Funding (UEFISCDI) for habilitation: PN-II-RU-ABIL-2015-2-0106
- Award of Executive Agency for Higher Education, Research, Development and Innovation Funding (UEFISCDI) for the paper: PN-III-P1-1.1-PRECISI-2016-11170, Vector-based tuning and experimental validation of fractional-order PI/PD controllers, NONLINEAR DYNAMICS
- Award of Executive Agency for Higher Education, Research, Development and Innovation Funding (UEFISCDI) for the paper: PN-III-P1-1.1-PRECISI-2016-11176, Tuning algorithms for fractional order internal model controllers for time delay processes, INTERNATIONAL JOURNAL OF CONTROL
- Award of Executive Agency for Higher Education, Research, Development and Innovation Funding (UEFISCDI) for the paper: PN-III-P1-1.1-PRECISI-2016-11198, Design and analysis of a multivariable fractional order controller for a non-minimum phase system, JOURNAL OF VIBRATION AND CONTROL
- Award of Executive Agency for Higher Education, Research, Development and Innovation Funding (UEFISCDI) for the paper: PN-III-P1-1.1-PRECISI-2016-11204, A fractional order controller for seismic mitigation of structures equipped with viscoelastic mass dampers, JOURNAL OF VIBRATION AND CONTROL

Editorial activities

- Editorial board member of the International Journal of Advanced Robotic Systems (ISSN: 1729-8806), Intech and Journal of Control Science and Engineering (ISSN 2328-2231), David Publishing
- Reviewer of more than 20 international ISI journal
- Guest Editor Mathematics, Special Issue "Applications of Mathematical Models in Engineering" 2020 https://www.mdpi.com/journal/mathematics/special_issues/math_model_eng
- Guest Editor Sensors, Special Issue "Fractional Sensor Fusion and Its Applications" https://www.mdpi.com/journal/sensors/special_issues/sensor_fusion
- Guest Editor Applied Sciences, Special Issue "Control and Automation" https://www.mdpi.com/journal/applsci/special_issues/Control_Automation
- Guest Editor Applied Sciences, Special Issue "Control and Automation" – vol.II https://www.mdpi.com/journal/applsci/special_issues/Control_Automation_II

Invited professor

- MIMO Course, Ghent 2014, <http://www.mimocontrol.ugent.be/professors.html>
- Invited speaker la Conferința internațională SMC 2016, Workshop on Women in Engineering <http://physcon.uni-obuda.hu/?q=en/node/48>

Memberships

- External member of the Hungarian Academy of Science
- IEEE member, Control Systems Society
- Romanian Society of Automation and Technical Informatics, Cluj subsidiary

ANNEXES

- <https://scholar.google.com/citations?user=5DGyzeAAAAAJ&hl=ro&oi=ao>
- <https://www.scopus.com/authid/detail.uri?authorId=22034172800>
- https://apps.webofknowledge.com/summary.do?product=WOS&parentProduct=WOS&search_mode=CitationReport&parentQid=1&qid=3&SID=D6YhehO4nruPigGKW/Mh&colName=WOS&&page=2
- <https://orcid.org/0000-0002-6540-6525>