



## Eva-H. Dulf

**Date of birth:** 04/02/1974 | **Place of birth:** Cluj-Napoca, Romania | **Nationality:** Romanian |

**Phone number:** (+40) 264401821 (Work) | **Email address:** [eva.dulf@aut.utcluj.ro](mailto:eva.dulf@aut.utcluj.ro) |

**Address:** Memorandumului 28, 400114, Cluj-Napoca, Romania (Work)

### EDUCATION AND TRAINING

2015 Cluj-Napoca, Romania

**HABILITATION IN AUTOMATIC CONTROL** Technical University of Cluj-Napoca

**Level in EQF** EQF level 8

1998 – 2006 Cluj-Napoca, Romania

**PHD IN AUTOMATIC CONTROL** Technical University of Cluj-Napoca, Faculty of Automation and Computer Science

Advanced control system design

Isotope separation columns modelling, optimisation and control

**Field of study** Engineering, manufacturing and construction | **Level in EQF** EQF level 8

1997 – 1998 Cluj-Napoca, Romania

**MASTER** Technical University of Cluj-Napoca, "Modern techniques in control" master program

**Field of study** Engineering, manufacturing and construction | **Level in EQF** EQF level 7

1992 – 1997 Cluj-Napoca, Romania

**ENGINEER** Technical University of Cluj-Napoca, Faculty of Automation and Computer Science

**Level in EQF** EQF level 6

### WORK EXPERIENCE

 **TECHNICAL UNIVERSITY OF CLUJ-NAPOCA** – CLUJ-NAPOCA, ROMANIA

**PRESIDENT OF THE SENATE HUMAN RESOURCES COMMITTEE OF THE TECHNICAL UNIVERSITY OF CLUJ-NAPOCA – 2024 – CURRENT**

[https://www.utcluj.ro/media/documents/2024/Comisii\\_Senat\\_2024\\_.pdf](https://www.utcluj.ro/media/documents/2024/Comisii_Senat_2024_.pdf)

**MEMBER OF THE NATIONAL COUNCIL FOR ATTESTATION OF UNIVERSITY DEGREES, DIPLOMAS AND CERTIFICATES (CNATDCU) – 2020 – CURRENT**

<http://www.cnatdcu.ro/paneluri-cnatdcu/>

**PROFESSOR – 2014 – CURRENT**

Didactical and research activities

**ASSOCIATE PROFESSOR – 2007 – 2014**

Didactical and research activities

**LECTURER – 2002 – 2007**

Didactical and research activities

**UNIVERSITY TEACHING ASSISTANT – 1999 – 2002**

Didactical and research activities

**PHD STUDENT WITH DIDACTICAL ACTIVITIES – 1998 – 1999**

Didactical and research activities

● **LANGUAGE SKILLS**

Mother tongue(s): **HUNGARIAN | ROMANIAN**

Other language(s):

|                | UNDERSTANDING |         | SPEAKING          |                    | WRITING |
|----------------|---------------|---------|-------------------|--------------------|---------|
|                | Listening     | Reading | Spoken production | Spoken interaction |         |
| <b>ENGLISH</b> | C1            | C1      | C1                | C1                 | C1      |
| <b>GERMAN</b>  | A2            | B2      | A2                | A2                 | B1      |

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● **SKILLS**

Microsoft/ Microsoft Office

● **PUBLICATIONS**

**Publication metrics**

- h-index: 26 (Google Scholar), 20 (WOS)  
top 2% scientist: <https://topresearcherslist.com/Home/Profile/911800>
- 13 books or book chapters
  - 161 papers in WoS journals and WoS Proceedings
  - 43 papers in proceedings of international conferences
  - 6 patents proposals
  - 1 patent

**List of publications**

<https://publons.com/researcher/1447529/eva-henrietta-dulf/>  
<https://orcid.org/0000-0002-6540-6525>  
<https://www.scopus.com/authid/detail.uri?authorId=22034172800>

## ● PROJECTS

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### Project metrics

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4 institutional projects (director of 1, assistant director of 1, member in 2)

36 research projects (director of 16, member in 20)

<https://control.utcluj.ro/projects/#RepProjects>

## ● CONFERENCES AND SEMINARS

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### List of conferences in the following roles: organizer, special session organizer

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- 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
- organizer of the special session "Advances in fractional order modelling and control" at the 15<sup>th</sup> International Conference Dynamical Systems. Theory and Applications, December 2-5, 2019, Łódź, POLAND [https://www.dys-ta.com/special\\_sessions](https://www.dys-ta.com/special_sessions)
- Organizer of the special session "New trends in modelling and control of medical systems", ICSTCC 2021, <https://icstcc2021.ac.tuiasi.ro/authors/invited-sessions/>
- Organizer of the special session "Transdisciplinary approaches in emerging engineering problems", IEEE AQTR Conference 2022, Cluj-Napoca, Romania
- 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, Jun27-29, 2022, Porto, Portugal, [https://www.isepp.pt/Page/ViewPage/ICMASC\\_SS?fbclid=IwAR0toZurB1TgNMBOzFGUkeY\\_bfZg3UyWEoT4iy-12JjYnrmceLK2z3jTRvs](https://www.isepp.pt/Page/ViewPage/ICMASC_SS?fbclid=IwAR0toZurB1TgNMBOzFGUkeY_bfZg3UyWEoT4iy-12JjYnrmceLK2z3jTRvs)
- Organizer of Special Session „Impact of fractional calculus in modelling and control applications" at the International Conference on Mathematical Analysis and Applications in Science and Engineering-ICMASC'24 that took place at the School of Engineering of the Polytechnic of Porto, on June 20-22, 2024, <https://www2.isepp.pt/icmasc/>

### List of conferences in the following roles: Editorial board member, Program committee member, Chair

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- ICSTCC Conference Editorial Board member 2014
- international program committee member at ACSG 2017 – International Workshop on Advance Control in Smart Grid held in conjunction with the 21<sup>th</sup> International Conference on Control Systems and Computer Science, 29-31 MAY 2017;
- international program committee member at 18<sup>th</sup> International Carpathian Control Conference – ICC 2017, 28-31 May 2017 Sinaia, Romania;
- international program committee member at IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics AQTR 2014 (THETA 19), etc.
- Associate Editor for ICSTCC 2017 (21<sup>st</sup> 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 7<sup>th</sup> IFAC Symposium on System Structure and Control, September 6-8, 2019, Sinaia, Romania
- Associate Editor for ICSTCC 2019 (22<sup>st</sup> International Conference on System Theory, Control and Computing)
- 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/>
- Program Committee member at the 5th International Conference on Control and Fault-Tolerant Systems (SysTol'21) Sept 29 - Oct 1, 2021. Saint-Raphaël, France, <http://www.systol.org/systol21/>
- Reviewer of ICSTCC 2021 (Joint Conference of SINTES 25, SACCS 21, SIMSIS 25, CONTI 14), October 20 – 23, 2021, Iași, Romania, <https://icstcc2021.ac.tuiasi.ro/committees/list-of-reviewers/>
- IPC member of the 11<sup>th</sup> IFAC Symposium on Biological and Medical Systems (BMS2021), Ghent, Belgium, 19-22 September 2021, <https://bms2021.ugent.be>
- Program Committee member of ICC 2022 (23<sup>rd</sup> International Carpathian Control Conference) , <https://ace.ucv.ro/iccc2022/committees.php>
- PC member 24th International Carpathian Control Conference, 2023, <http://mazzola.iit.uni-miskolc.hu/iccc2023/committee>
- International program committee member at the 27th International Conference on System Theory, Control and Computing, October 11-13, 2023, Timisoara, Romania, <http://icstcc2023.cs.upt.ro/committees/international-program-committee/>
- Program committee member IEEE International Conference on Automation, Quality and Testing, Robotics, AQTR 2024 (THETA 24), Cluj-Napoca, Romania, May 16-18, 2024 <https://aqtr.ro/>

- International Program Committee member at the 25th International Carpathian Control Conference – ICC 2024, 22-24 May 2024 in Krynica Zdrój, Poland, <https://iccc.agh.edu.pl/committees/>
- IPC member at the 4th Workshop on Internet Based Control Education (IBCE2024), 18-20 September 2024, Ghent Belgium, <https://ibce24.ugent.be/>
- CHAIR OF A SESSION at the International Conference on Mathematical Analysis and Applications in Science and Engineering-ICMASC'24 that took place at the School of Engineering of the Polytechnic of Porto on June 20-22, 2024, <https://www2.isep.ipp.pt/icmasc/>
- Editorial board member of the 29th International Conference on System Theory, Control and Computing ICSTCC 2025 (Joint Conference SINTES 29, SACCs 25, SIMSIS 29, CONTI 18) October 9 - 11, 2025 Cluj-Napoca, ROMANIA <https://icstcc2025.utcluj.ro>
- Technical Program Committee member 29th IEEE International Conference on Intelligent Engineering Systems 2025 <http://www.ines-conf.org/ines-conf/2025committees.html>

## EDITORIAL ACTIVITIES

### Editor or guest editor list

- 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, like Nature Communications, Nonlinear Dynamics, Engineering Applications of Artificial Intelligence, IET Control Theory & Applications, Asian Journal of Control, The Canadian Journal of Chemical Engineering, IEEE Access, Operations Research Forum, IEEE Transactions on Industrial Electronics, IEEE Transactions on Artificial Intelligence, IEEE-IAS, IEEE Transactions on Circuits and Systems II: Express Briefs, Journal of Process Control, Journal of Control and Decision, Mathematics, Sensors, Fractal and Fractional, Frontiers in Artificial Intelligence, CEAI, etc.
- Guest Editor *Mathematics*, Special Issue "Applications of Mathematical Models in Engineering" 2020 [https://www.mdpi.com/journal/mathematics/special\\_issues/math\\_model\\_eng](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](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](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](https://www.mdpi.com/journal/applsci/special_issues/Control_Automation_II)
- Guest Editor *Mathematics*, Special Issue, [https://www.mdpi.com/journal/mathematics/special\\_issues/Model\\_Control\\_Health](https://www.mdpi.com/journal/mathematics/special_issues/Model_Control_Health)
- Guest Editor *Applied Sciences*, Special Issue „Evolutionary Computation in Biomedical Signal Processing" [https://www.mdpi.com/journal/applsci/special\\_issues/DEIH78V15V](https://www.mdpi.com/journal/applsci/special_issues/DEIH78V15V)
- Guest Editor *Electronics*, SI "Computer Vision and Machine Learning for Biometric Systems", [https://www.mdpi.com/journal/electronics/special\\_issues/OHP74W85O7](https://www.mdpi.com/journal/electronics/special_issues/OHP74W85O7)
- Topical Advisory Panel Member, *Applied Sciences*, [https://www.mdpi.com/journal/applsci/topical\\_advisory\\_panel?search=Dulf](https://www.mdpi.com/journal/applsci/topical_advisory_panel?search=Dulf)
- Editor *Mathematics* (Q1), <https://www.mdpi.com/journal/mathematics/editors#editorialboard>
- Editor *International Journal of Dynamics and Control*, Springer, <https://www.springer.com/journal/40435/editors>

## HONOURS AND AWARDS

### Selection of honours and awards

- Medaille d'or de remettre pour l'invention: Traducteur electronique analogique pour mesures de puissance en courant continu, Salon International des Inventions, Geneve, 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
- Gold medal for „Cyogenic capacitive level sensor with coplanar plate for liquid nitrogen”, The XVI-th International Exhibition of Reserach, Innovation and Technological Transfer INVENTICA 2012, Iași
- Gold medal for „Analog Electronic Transducer for DC Power Measurement”, European Exhibition of Creativity and Innovation, EUROINVENT 2012, Iași
- Medaille d'or 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 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
- Special Award for "Analog Electronic Transducer for DC Power Measurement", Taiwan Prominent Inventor Association, Brussels, 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 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
- CAI Award, Prize of China Delegation of the Exhibition 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
- Gold medal and the Rostislav Alekseev Award 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 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 for "Nonconventional algorithm for frequency analysis" 64th Bruxelles-EUREKA , INNOVA , 19-21 Nov 2015, Bruxelles, BELGIA
- Award of Poland and Belgium for "Nonconventional algorithm for frequency analysis" 64th International Exhibition of Inventions, Bruxelles-EUREKA, INNOVA , 19-21 Nov 2015, Bruxelles, BELGIA
- Gold medal for "Wind Turbine", Salon International des Inventions Geneve, 13 apr. 2018
- Merit Award of International Strategic Technology Alliance (ISTA) for "Wind Turbine", 46th International Exhibition of Inventions of Geneva, 13 apr. 2018
- Distinguished Innovation Award of King Abdulaziz University for "Wind Turbine", 46th International Exhibition of Inventions of Geneva, 11-15 Apr. 2018
- Bronze medal for "Workbench for automatic control of anesthesia", 15th edition Euroinvent, European Exhibition of Creativity and Innovation, May, 13, 2023
- Gold medal for "Workbench for automatic control of anesthesia", Salonul International de Inventii si Inovatii "Traian Vuia" Timisoara, 15-17 june, 2023
- Gold medal for "Workbench for automatic control of anesthesia", International Exhibition INVENTCOR, 4th edition, 14-16, 09, 2023, Deva, Romania

## ● INVITED PROFESSOR

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### List

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- MIMO Course, Ghent 2014, <http://www.mimocontrol.ugent.be/professors.html>
- Invited speaker at IEEE International Conference SMC 2016, Workshop on Women in Engineering <http://physcon.uni-obuda.hu/?q=en/node/48>
- Invited speaker International Workshop on Fractional Order Systems: Theory and Applications (FOSTA), 29 November 2021, <https://vc.linkingbitssystems.com/lobby/>
- BORDERLESS BIOMEDICAL MEETING CONFERENCE, organised UMF Iuliu Hațieganu Cluj-Napoca, <https://www.facebook.com/borderlessbiomed>
- INVITED PLENARY SPEAKER AT THE EME XXV TECHNICAL SCIENTIFIC SESSION, Cluj-Napoca, 2024.11.23., <https://www.eme.ro/muszakitudomanynap/program.html>

## ● MEMBERSHIPS

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### List

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- Vice-president of the Women in Engineering Romanian section
- IEEE member, Control Systems Society, Women in Engineering
- Associate member of the Romanian Academy of Technical Sciences (ASTR)
- External member of the Hungarian Academy of Science
- Romanian Society of Automation and Technical Informatics, Cluj subsidiary