

Prof. Dr. Habil. Eva Kaslik - Curriculum Vitae

CONTACT INFORMATION	West University of Timișoara Faculty of Mathematics and Computer Science Department of Computer Science Bd. C. Coposu nr. 4, 300223, Timișoara, Romania	Phone: +40-256-592221 Fax: +40-256-592316 Office no. 021 eva.kaslik@e-uvt.ro
EDUCATION	1994 - 1998 1998 - 2002 2002 - 2004 2002 - 2006 Sept. 2015	Moise Nicoară National College, Arad, Romania Mathematics-Physics-English class, valedictorian. West University of Timișoara, Romania <i>B.S. in Pure Mathematics</i> , valedictorian. West University of Timișoara, Romania <i>M.S. in Applied Mathematics</i> . Université Sorbonne Paris Nord, France, Institut Galilée - LAGA (UMR 7539) and West University of Timișoara, Romania <i>Ph.D. in Mathematics</i> title of thesis: "Domains of attraction and applications to control theory" supervisors: Prof. Dr. Ștefan Balint and Prof. Dr. Alain Grigis. West University of Timișoara, Romania <i>Habilitation in Mathematics</i> (O.M. 5884/04.12.2015).
ACADEMIC EXPERIENCE	2003 - 2006 2004 - 2006 2006 - 2008 2008 - 2014 2010 - 2020 2014 - 2022 2016 - present 2022 - present	Université Sorbonne Paris Nord, France Département de Mathématiques West University of Timișoara, Romania Faculty of Mathematics and Computer Science West University of Timișoara, Romania Faculty of Mathematics and Computer Science West University of Timișoara, Romania Faculty of Mathematics and Computer Science Institute e-Austria Timișoara, Romania West University of Timișoara, Romania Faculty of Mathematics and Computer Science West University of Timișoara, Romania Doctoral School of Mathematics West University of Timișoara, Romania Faculty of Mathematics and Computer Science
		Instructor (Moniteur) (64 hours teaching/ year) Instructor Teaching Assistant Assistant Professor (Lecturer) Researcher / Project manager Associate Professor Ph.D. Supervisor Full Professor
ADMINISTRATIVE EXPERIENCE	2021 - present	Dept. of Mathematics and Computer Science Institute of Advanced Environmental Research West University of Timișoara, Romania Department Head
RESEARCH INTERESTS	• Dynamical systems (with and without delays): stability, control, bifurcations, chaos. • Qualitative theory of impulsive and fractional-order dynamical systems. • Mathematical modeling in engineering, neuroscience, medicine, economy, aerospace science.	
HONORS AND AWARDS	• Merit Scholarship - West University of Timișoara, 1998-2003. • M.S. Socrates Scholarship - Université Paris 13, France (01.04.2003-30.09.2003). • Ph.D. Research Fellowship of the French Education Ministry (01.10.2003-30.09.2006). • Best Student Paper Award at the 6th International Conference on Mathematical Problems in Engineering and Aerospace Sciences, Budapest, Hungary, 2006. • West University of Timișoara Award for Young Researchers, 2007. • Merit Salary - West University of Timișoara, granted yearly, 2007; 2008; 2009. • Excellence Diploma of the West University of Timișoara: Best Young Researcher of 2010/2011.	

- Best Young Researcher award granted by "Orizonturi Universitare" Association and the Timisoara branch of the Romanian Academy, 2012.
- Merit Gradation - West University of Timișoara, granted for 5 years, 2011-2016, 2016-2021, 2021-2026.
- Mihail Ghermănescu Award for Mathematics and Computer Science, West University of Timișoara, 2022.

RESEARCH GRANTS AND CONTRACTS Director:

- Postdoctoral Research Grant "Advanced impulsive and fractional-order neural network models", PN-II-RU-PD-145 /28.07.2010, 2010-2012. <http://PD145.ieat.ro>
- Young Research Teams Grant "Theoretical and Numerical Analysis of Fractional-Order Dynamical Systems and Applications", PN-II-RU-TE-2014-4-0270, 2015-2017. <http://fradys.projects.ieat.ro>

Management Committee:

- COST Action CA15225: "Fractional-order systems; analysis, synthesis and their importance for future design", 2016-2021, Management Committee Member. http://www.cost.eu/COST_Actions/ca/CA15225

Member:

- CNCSIS Grant "Qualitative and numerical study of dynamical systems described by differential equations in finite and infinite-dimensional spaces", No. 34964/2001, 33475/2002, 33960/2003, director Prof. Dr. Stefan Balint, 2001-2003.
- CNCSIS Research Center in Applied Mathematics, West University of Timisoara, director Prof. Dr. Stefan Balint, achieved in 2004.
- CNCSIS Grant "The study of differential systems that govern the motion of high-speed airplanes and space vehicles, during landing phase", No. 27998/14.03.2005, director Prof. Dr. Stefan Balint, 2005-2007.
- NATO Programme Security Through Science Collaborative Linkage Grant "Evaluation and control of impurities in rapid-detection sensors", CBP.EAP.CLG. 982530/2007-2008, project coordinators: Thomas F. George (USA) and Liliana Braescu (Romania).
- PNCDI2 Idea Grant "Analysis of some special nonlinear dynamical systems with applications in aerospace engineering", ID-354-7/2007, director Prof. Dr. Stefan Balint, 2007-2010, senior researcher.
- PNCDI2 Partnership Grant (UBB, UVT, IeAT, UIAC) "NatComp - New Natural Computing Models in the Study of Complexity", No. 11028/14.09.2007, director: Prof. Dr. Dumitru Dumitrescu (UBB), UVT coordinator: Conf. Dr. Daniela Zaharie, 2007-2010, member of the UVT team.
- Travel grant from FAPESP (Fundação de amparo a pesquisa do estado de São Paulo) to visit the Brazilian National Institute for Space Research (INPE), São José dos Campos, Brazil - June 2010, coordinator: Prof. Dr. Antonio F.B.A. Prado.
- PNCDI2 Idea Grant: "AMICAS: Automated Management in Cloud and Sky Computing Environments", PN-II-ID-PCE-2011-3-0260, director Prof. Dr. Dana Petcu, 2011-2014, postdoctoral researcher.
- Romania - Republic of Serbia IPA Cross-border Cooperation Programme, Project MIS ETC no. 1403/2012, "Improving the capability of the Romanian and Serbian authorities of reacting in emergency situations", 2012-2014, senior researcher (Partner: WUT).
- European Space Agency project: "Mathlib4Space - Pre-Qualification of a Mathematical Library for Flight Software", 2016-2017, senior researcher (partner: WUT).
- Academy of Romanian Scientists project: "Asymptotic behavior of dynamical systems in Banach spaces", director: Prof. Dr. M. Megan, 2018-2019, senior researcher.

VISITING PROFESSOR

- 30.05.2016-03.06.2016: Universite de Perpignan Via Domitia, France;

- 04.07.2016-15.07.2016: Universite de La Rochelle, France;
- 20.07.2019-27.07.2019: Universita degli Studi di Bari Aldo Moro, Italy.

ACADEMIC SUPERVISION ACTIVITY

Doctoral theses supervised:

- Oana Brandibur (Oct. 2016 - Dec. 2020) - "Systems of fractional-order differential equations and applications in Neuroscience". Public defense: Dec. 11, 2020.

Member of PhD defense committees:

- UiT Narvik - The Arctic University of Norway (april 2022 - 2nd opponent, march 2023 - 1st opponent)
- West University of Timisoara - september 2021, december 2022
- Politehnica University of Bucharest - november 2020

PUBLICATIONS

- 51 articles published in WoS journals
- 14 articles published in other refereed journals indexed in international databases
- 36 papers published in proceedings of international conferences
- 5 chapters in collections
- research monograph "Regions of attraction and applications to control theory" published by Cambridge Scientific Publishers, 2008
- h-index = 18 and no. of citations = 1177 (according to Web of Science, as of February 2023)
- h-index = 18 and no. of citations = 1341 (according to Scopus, as of February 2023)
- h-index = 19 and no. of citations = 1715 (according to Google Scholar, as of February 2023)
- 2 highly cited papers, according to Web of Science.

EDITORIAL BOARD MEMBER

- Fractional Calculus and Applied Analysis (Springer, since 2021)
- Mathematics and Computers in Simulation (Elsevier, since 2020)
- Journal of Computational Mathematics and Data Science (Elsevier, since 2021)
- Annals of West University of Timisoara - Mathematics and Computer Science (De Gruyter Open, since 2022)

ADDRESSES AT CONFERENCES

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| 2001 | • International Conference on Homogenization and Applications to Material Sciences (Timisoara, Romania) |
| 2002 | • 4th International Conference on Nonlinear Problems in Aviation and Aerospace (Melbourne, FL, USA) |
| 2003 | • International Conference on New Trends in Continuum Mechanics (Constanta, Romania) |
| | • International Physics Conference TIM-2003 (Timisoara, Romania) |
| 2004 | • 5th International Conference on Mathematical Problems in Engineering and Aerospace Sciences (Timisoara, Romania) |
| | • 4th World Congress of Nonlinear Analysts (Orlando, FL, USA) |
| | • 8th World Multi-Conference on Systems, Cybernetics and Informatics (Orlando, FL, USA) |
| | • 10th International Conference on Cybernetics and Information Technologies, Systems and Applications (Orlando, FL, USA) |
| 2005 | • 9th World Multi-Conference on Systems, Cybernetics and Informatics (Orlando, FL, USA) |
| | • 22nd IFIP TC 7 Conference on System Modeling and Optimization (Torino, Italy) |
| | • International Conference on Differential and Difference Equations and Applications (Melbourne, FL, USA) |
| | • 7th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (Timisoara, Romania) |
| 2006 | • 6th International Conference on Mathematical Problems in Engineering and Aerospace Sciences (Budapest, Hungary) |
| 2007 | • 15th European Symposium on Artificial Neural Networks (Bruges, Belgium) |
| 2008 | • 7th AIMS International Conference on Dynamical Systems, Differential Equations and Applications (Arlington, TX, USA) |

- 7th International Conference on Mathematical Problems in Engineering, Aerospace and Sciences (Genoa, Italy)
- 5th World Congress of Nonlinear Analysts (Orlando, FL, USA)
- 18th International Conference on Artificial Neural Networks (Prague, Czech Republic)
- 2009 • 22nd International Joint Conference on Neural Networks (Atlanta, GA, USA)
- 2010 • 8th International Conference on Mathematical Problems in Engineering, Aerospace and Sciences (INPE - National Institute for Space Research, Sao Jose dos Campos, Brazil)
- IEEE World Congress on Computational Intelligence - 23rd International Joint Conference on Neural Networks (Barcelona, Spain)
- 2011 • 4th International Conference on Chaotic Modeling, Simulation and Applications (Agios Nikolaos, Crete, Greece)
- 24th International Joint Conference on Neural Networks (San Jose, California, USA)
- 2012 • 9th AIMS International Conference on Dynamical Systems, Differential Equations and Applications (Orlando, FL, USA)
- 9th International Conference on Mathematical Problems in Engineering, Aerospace and Sciences (Vienna, Austria)
- 2014 • 10th International Conference on Mathematical Problems in Engineering, Aerospace and Sciences (Narvik, Norway)
- 2015 • 8th Congress of Romanian Mathematicians (Iasi, Romania)
- 2016 • 1st Conference on Emerging Trends in Applied Mathematics and Mechanics (ETAMM 2016, Perpignan, France)
- 11th International Conference on Mathematical Problems in Engineering, Aerospace and Sciences (La Rochelle, France)
- 2017 • 17th International Conference on Computational and Mathematical Methods in Science and Engineering (Cadiz, Spain)
- 23rd International Conference on Difference Equations and Applications (Timisoara, Romania)
- 2018 • 10th Workshop on Structural Dynamical Systems (SDS 2018, Capitolo Bari, Italy)
- 2nd Conference on Emerging Trends in Applied Mathematics and Mechanics (ETAMM 2018, Krakow, Poland)
- 2019 • 1st International Nonlinear Dynamics Conference (NODYCON 2019, Rome, Italy)
- 2021 • Conference on Fractional Calculus: Analysis & Applications (in honor of Prof. Varsha Gejji on her superannuation), Savitribai Phule Pune University (India) - invited talk
- Conference on the Numerical Solution of Differential and Differential-Algebraic Equations (NUMDIFF-16), Martin Luther University Halle-Wittenberg (Germany) - invited talk

OTHER
PROFESSIONAL
ACTIVITIES

- Member of the Council of the Faculty of Mathematics and Computer Science, West University of Timisoara - 2016-2024.
- Member of the Computer Science Department's Council, Faculty of Mathematics and Computer Science, West University of Timisoara - 2012-2020.
- Conference organization duties:
 - Co-chair of the Minisymposium on "Dynamical systems in Medicine and Biology" at ETAMM 2018: Emerging Trends in Applied Mathematics and Mechanics (Krakow, Poland).
 - Chair of the Numerical Computing Track of SYNASC 2017: 19th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (Timisoara, Romania).
 - Organizing Committee Member, ICDEA 2017, Timisoara, Romania.
 - Scientific Committee Member, 2nd International Conference on Computational Mathematics and Engineering Sciences (CMES 2017) May 20-22, 2017, Istanbul, Turkey.
 - Chair of the Numerical Computing Track of SYNASC 2016: 18th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (Timisoara, Romania).
 - Conference Coordinator of the ICNPAA 2016 Congress: 11th International Conference on Mathematical Problems in Engineering, Aerospace and Sciences (La Rochelle University, France).
 - Scientific Committee Member, 1st International Symposium on Computational Mathematics

- & Engineering Sciences, March 3-6, 2016, FSTE Errachidia, Morocco.
- Conference Coordinator of the ICNPAA 2014 Congress: 10th International Conference on Mathematical Problems in Engineering, Aerospace and Sciences (Narvik University of Technology, Norway).
- Member of the International Advisory Board of the International Conference "Dynamical Systems: Theory and Applications", January 11-14, 2012, Jadavpur University, Kolkata, India.
- Scientific Committee Member, ICPAM 2012, May 28-30, 2012, Guelma, Algeria.
- Conference Coordinator of the ICNPAA 2012 Congress: 9th International Conference on Mathematical Problems in Engineering, Aerospace and Sciences (Vienna University of Technology, Austria).
- Conference Coordinator of the ICNPAA 2010 Congress: 8th International Conference on Mathematical Problems in Engineering, Aerospace and Sciences (INPE - National Institute for Space Research, Sao Jose dos Campos, Brazil).
- Member of the Local Organizing Committee of the 5th International Conference on Mathematical Problems in Engineering and Aerospace Sciences (2004, Timisoara, Romania).
- Member of the following professional societies:
 - IMACS - International Association for Mathematics and Computers in Simulation
 - ISDE - International Society of Difference Equations
 - EMS - European Mathematical Society
 - AMS - American Mathematical Society
 - INNS - International Neural Network Society
 - IEEE and IEEE Computer Intelligence Society
- Reviewer for Mathematical Reviews, reviewer code: 68038
- Reviewer for the following journals:
 - Abstract and Applied Analysis (Hindawi)
 - Advances in Dynamical Systems and Applications
 - Applied Mathematical Modelling (Elsevier)
 - Applied Mathematics and Computation (Elsevier)
 - Bulletin of the Malaysian Mathematical Sciences Society
 - Computational and Applied Mathematics (Elsevier)
 - Computers and Mathematics with Applications (Elsevier)
 - Discrete Dynamics in Nature and Society (Hindawi)
 - IEEE Transactions on Neural Networks (IEEE Computational Intelligence Society)
 - IEEE Transactions on Circuits and Systems-I (IEEE Computational Intelligence Society)
 - Information Sciences (Elsevier)
 - International Journal of Mathematics and Mathematical Sciences (Hindawi)
 - Iranian Journal of Fuzzy Systems
 - Journal of Mathematical Control Science and Applications (International Science Press, India)
 - Journal of Optimization Theory and Applications (Springer)
 - Mathematical and Computer Modelling (Elsevier)
 - Neural Computation (MIT Press)
 - Neural Computing & Applications (Springer)
 - Neural Networks (Elsevier)
 - Neural Processing Letters (Springer)
 - Nonlinear Studies (I&S Publishers, Daytona Beach, FL)
 - Physics Letters A (Elsevier)
 - Proceedings of the Royal Society A (Royal Society Publishing)
 - The Arabian Journal of Science and Engineering (Springer)

PERSONAL

Language skills: Romanian, Hungarian (native), English (advanced), French (advanced)