

Conf. Dr. Habil. Eva Kaslik - Curriculum Vitae

CONTACT INFORMATION

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EDUCATION

1994 - 1998 Moise Nicoară National College, Arad, Romania
Mathematics-Physics-English class, valedictorian.
1998 - 2002 West University of Timișoara, Romania
B.S. in Pure Mathematics, valedictorian.
2002 - 2004 West University of Timișoara, Romania
M.S. in Applied Mathematics.
2002 - 2006 Université Paris Nord, France, Institut Galilée - LAGA (UMR 7539) and
West University of Timișoara, Romania
Ph.D. in Mathematics
title of thesis: "Domains of attraction and applications to control theory"
supervisors: Prof. Dr. Ștefan Balint and Prof. Dr. Alain Grigis.
Sept. 2015 West University of Timișoara, Romania
Habilitation in Mathematics (O.M. 5884/04.12.2015).

ACADEMIC EXPERIENCE

2003 - 2006 Université Paris Nord, France
Département de Mathématiques
Instructor (Moniteur)
(64 hours teaching/ year)
2004 - 2006 West University of Timișoara, Romania
Faculty of Mathematics and Computer Science
Instructor
2006 - 2008 West University of Timișoara, Romania
Faculty of Mathematics and Computer Science
Teaching Assistant
2008 - 2014 West University of Timișoara, Romania
Faculty of Mathematics and Computer Science
Assistant Professor
(Lecturer)
2010 - Institute e-Austria Timișoara, Romania
Researcher / Project manager
2014 - West University of Timișoara, Romania
Faculty of Mathematics and Computer Science
Associate Professor

RESEARCH INTERESTS

- Dynamical systems (with and without delays): stability, control, bifurcations, chaos.
- Qualitative theory of impulsive and fractional-order dynamical systems.
- Dynamics of recurrent neural networks.
- Mathematical models in aerospace sciences.

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.

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", 2016-2020, 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.

ADDRESSES AT CONFERENCES

- 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 (Aghios 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)

VISITING
PROFESSOR

- 30.05.2016-03.06.2016: Universite de Perpignan Via Domitia, France;
- 04.07.2016-15.07.2016: Universitate de La Rochelle, France;
- 20.07.2019-27.07.2019: Universita degli Studi di Bari Aldo Moro, Italy.

PUBLICATIONS

- 30 articles published in ISI journals
- 13 articles published in other refereed journals indexed in international databases
- 27 articles 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 = 13 and no. of citations = 639 (according to Web of Science, as of Nov. 2019)
- h-index = 14 and no. of citations = 713 (according to Scopus, as of Nov. 2019)
- h-index = 14 and no. of citations = 1026 (according to Google Scholar, as of Nov. 2019)
- 2 highly cited papers, according to Web of Science.

OTHER
PROFESSIONAL
ACTIVITIES

- Member of the Computer Science Department's Council, Faculty of Mathematics and Computer Science, West University of Timisoara - 2012-2020.
- Member of the Council of the Faculty of Mathematics and Computer Science, West University of Timisoara - since 2016.
- 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:
 - 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)