

WEST UNIVERSITY OF TIMIȘOARA
FACULTY OF MATHEMATICS AND COMPUTER SCIENCE
DEPARTMENT OF MATHEMATICS
Associate Professor **Adina Luminița SASU**

CURRICULUM VITAE

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Education:

- 1.10.1994-30.06.1998 BS with honors - Faculty of Mathematics, West University of Timișoara, specialization: Mathematics - graduation thesis: *Spectral Mapping Theorem for Semigroups of Linear Operators*;
- 1.10.1998-30.06.1999 MS - West University of Timișoara, specialization: Operator Models and Optimal Control - graduation thesis: *Spectral Mapping Theorem for Evolution Semigroups*.
- Award: *Excellent Student* (December 1999 on behalf of the Academic Society „Orizonturi Universitare“).
- 1.12.1999-23.09.2002 PHD in Mathematics, West University of Timișoara, specialization : Mathematical Analysis;
- PHD Thesis: *The Asymptotic Behaviour of Linear Skew-Product Flows* - thesis advisor: Professor M. Megan, thesis awarded with the distinction: *Cum Laude*.

Academic positions:

- 1.10.1998 - 28.02.2001 Instructor - Department of Mathematics, Chair of Mathematical Analysis, Faculty of Mathematics and Computer Science, West University of Timișoara;
- 1.03.2001 - 30.09.2003 Teaching Assistant - Department of Mathematics, Chair of Mathematical Analysis, Faculty of Mathematics and Computer Science, West University of Timișoara;
- 1.10.2003 - 1.10.2007 Assistant Professor - Department of Mathematics, Faculty of Mathematics and Computer Science, West University of Timișoara;
- starting with 1.10.2007 Associate Professor - Department of Mathematics, Faculty of Mathematics and Computer Science, West University of Timișoara.

Research areas:

- the asymptotic behavior of evolution equations in infinite - dimensional spaces and their applications in control theory;
- the qualitative theory of difference equations in infinite-dimensional spaces and the controllability of systems of difference equations.

Teaching:

- Functional Analysis Applied in Control Theory; Discrete Dynamical Systems; Discrete Linear Control Systems;
- Calculus for Functions of Several Variables, Calculus, Mathematical Analysis, Real Analysis, Topology, Functional Analysis, Complex Analysis.

Publications: Over 60 scientific publications in pure and applied mathematics (35 papers in ISI classified journals) and 9 books (see the attached lists).

Professional activities:

- member of The *International Society of Difference Equations*;
- member in the Editorial Board of the international journal
Advances in Dynamical Systems and Applications
journal home-page: <http://www.ripublication.com/adsa.htm>;

- member of The *American Mathematical Society*;
- member of The *European Mathematical Society*;
- member of The *Romanian Mathematical Society*;
- reviewer for *Mathematical Reviews*;
- reviewer for *Zentralblatt für Mathematik*;
- 1998-present - member of the Editorial Board of *West University of Timișoara Annals*, Series Mathematics;
- referee for *Journal of Difference Equations and Application*, *International Journal of Systems Science*, *Nonlinearity*, *Discrete and Continuous Dynamical Systems*, *IMA Journal of Mathematical Control and Information*, *Applied Mathematics Letters*, *Computational Applied Mathematics*, *International Journal of Nonlinear Science*, *Computers and Mathematics with Applications*, *Mathematica Slovaca*, *Mathematische Vesnik*, *Operator Theory Advances and Applications*, *Carpathian Journal of Mathematics*, *West University of Timișoara Annals*, etc;
- 2004 - present expert of The National University Research Council of The Romanian Ministry of Education and Research, for the evaluating process of research grants;
- Editor of Proceedings of the 8th National Conference on Mathematical Analysis and Applications, Timișoara 1–2 December 2006, *West University of Timișoara Annals* **45** (2007), fasc. 1, 277 pages and fasc. 2, 249 pages, Editors D. Gașpar, A. L. Sasu, B. Sasu;
- 2006 - 2008 - director of the Excellence Research Grant ET 3/2006: Asymptotic behavior of variational systems and applications in control theory;
- 2007 - 2008 - director of the research grant AT 60/2007: Advanced Studies on Qualitative Aspects in the Theory of Control Systems and Applications;
- May 2008 – present - Member of the Quality Committee of the Mathematics Department of West University of Timișoara.

Awards:

- December 2007, West University of Timișoara Award for Scientific Activity;
- May 2008, Award *In Hoc Signo Vinces* with distinction *Magna Cum Laude* on behalf of the National Research Council, for excellence in research, on the occasion of the 10th Conference of the National University Research Council, see

<http://users.math.uvt.ro/sasu/download/awards.pdf>

<http://www.cncsis.ro/premii.php>

- September 2008 – included in the 2009 Edition of Marquis Who ' s Who in the World;

Visiting positions:

- 15.03.1999-15.06.1999 - Department of Functional Analysis, Technical University of Vienna, Austria.
- 20.09.2000-20.10.2000 - Laboratory J.A. Dieudonné, University of Nice, France.
- 20.05.2001-30.09.2001 - Laboratory J.A. Dieudonné, University of Nice, France.
- June 2005 - Department of Mathematics, University of Metz, France.

Invited Professor:

- July 2006 - Laboratory J.A. Dieudonné, University of Nice, France.
- June 2007 - Institut Galilee, University Paris XIII, France.
- September 2007 - Laboratory J.A. Dieudonné, University of Nice, France.
- June–July 2008 - Laboratory J.A. Dieudonné, University of Nice, France.
- July 2009 - Laboratory J.A. Dieudonné, University of Nice, France.

Research grants:

- Director of the Excellence Research Grant ET 3/2006: Asymptotic behavior of variational systems and applications in control theory.
- Director of the research grant AT 60/2007: Advanced Studies on Qualitative Aspects in the Theory of Control Systems and Applications.

Member of the following research grants:

The National University Research Council - Grants:

- Qualitative Properties of Dynamical Systems and Applications to Control Theory (2008–2011), PN 2 Research Grant 1081 / 2008, director: Associate Professor B. Sasu;
- Advanced Research Studies on the Asymptotic Behavior of Evolution Equations, (2008–2011), PN 2 Research Grant 1080 / 2008, director: Professor M. Megan;

- Dynamical systems and applications in infinite-dimensional spaces, (2006-2008), Excellence Research Grant ET 4/2006, director: Associate Professor B. Sasu;
- Mathematical modelling and qualitative properties of dynamical systems, 2006, CNCSIS grant, director: Associate Professor B. Sasu;
- Asymptotic behavior of deterministic and stochastic evolutionary processes in infinite-dimensional spaces, (2005 - 2007), CNCSIS grant, director Professor M. Megan;
- Qualitative properties of evolutionary processes with control in Banach spaces, (2002-2004), CNCSIS grant, director Professor M. Megan;
- Asymptotic behavior of linear control systems in infinite-dimensional spaces, (1999-2001), CNCSIS grant, director Professor M. Megan.

World Bank - Grants

- Consolidation of postgraduate and PHD study programs in functional analysis with applications in control theory (1999 - 2001), World Bank Research Grant, director: Professor D. Gaşpar;
- Functional analysis research studies and applications in systems theory and fluid mechanics (1999 - 2001), World Bank Research Grant, director: Professor D. Gaşpar.

Addresses at conferences:

- National Conference of Mathematical Analysis and Applications, Timișoara, 1998;
- Conference of Analysis, Functional Equations, Approximation Theory and Convexity - Tiberiu Popoviciu, Cluj-Napoca, 1999;
- Proceeding of The Romanian Mathematical Society, Craiova, 1999;
- National Conference of Mathematical Analysis and Applications, Timișoara, 2000;
- National Conference of Mathematical Analysis and Applications, Craiova, 2001;
- Proceeding of The Romanian Mathematical Society, Craiova, 2002;
- Conference of Analysis, Functional Equations, Approximation Theory and Convexity - Tiberiu Popoviciu, Cluj-Napoca, 2002;
- National Conference of Mathematical Analysis and Applications, Cluj-Napoca, 2002;

- International Conference of Operator Theory, Timișoara, 2002;
- Conference of Analysis, Functional Equations, Approximation Theory and Convexity - Tiberiu Popoviciu, Cluj-Napoca, 2004;
- International Conference of Operator Theory, Timișoara, 2004;
- The 9th Conference of the Romanian Mathematical Society, Lugoj 2005 (Scientific Committee);
- International Conference of Operator Theory, Timișoara, 2006;
- The 8th National Conference of Mathematical Analysis and Applications, Timișoara 2006, held in honor of Professor Mihail Megan on the occasion of his 60th anniversary (Scientific Committee, Organizer and co-editor of the Proceedings);
- International Conference of Nonlinear Operators, Differential Equations and Applications, Cluj-Napoca 2007;
- The 9th National Conference of Mathematical Analysis and Applications, Al. I. Cuza University, Iași 2007;
- International Conference Semicentennial „Tiberiu Popoviciu“ Institute of Numerical Analysis, May 7-10, 2008;
- Seventh International Conference on Mathematical Problems in Engineering, Aerospace and Sciences, Genoa Italy June 23-28, 2008.

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