CURRICULUM VITAE

PERSONAL INFORMATION
Name: Gabriela Lorelai Litcanu
Contact address: Institute of Applied Mathematics and Mechanics, Warsaw University, ul. Banacha 2, 02-097 Warsaw, Poland
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EDUCATION
•14/07/2001: Ph.D. in Pure Mathematics, "A l. I. Cuza" University of Iaşi (Romania);
Ph.D. Thesis: *The study of the oscillations for some classes of differential systems;*
Supervisor: Professor Dr. Gheorghe Moroşanu.
Postdoctoral positions
• 01/10/2005-30/09/2006, Institute of Applied Mathematics and Mechanics, Warsaw University, Marie Curie Research Training Network "Modeling, Mathematical Methods and Computer Simulation of Tumour Growth and Therapy"
• 01/12/2003-31/12/2003, Universidad Complutense de Madrid, European Network "Front singularities"
• 01/03/2002-30/11/2003, Universidad Complutense de Madrid, European Network "Using mathematical modelling and computer simulation to improve cancer therapy"

RESEARCH INTERESTS
• Biomathematics (parabolic and hyperbolic models, singular perturbation methods, numerical simulation);
• Periodic and almost periodic solutions for differential equations;
• Equations with bounded and unbounded delay.

PUBLICATIONS
• *Singular perturbation analysis of cAMP signalling in Dictyostelium discoideum aggregates* (with J.J.L. Velázquez), to appear in J. of Mathematical Biology (accepted).
• *A mathematical model of suspension bridges,* Applications of Mathematics 49 (2004), 39-55.
• *Periodic solutions to functional evolution equations,* Nonlinear Analysis 52 (2003) 305-314.
• *Periodic solutions of a nonlinear wave equation,* An. Şt. Univ. Ovidius Constanţa, 7 (1999), 43-54.
• *Mathematics with interdisciplinary applications,* text-book (in romanian), Editura Paralela 45.

SCIENTIFIC ACTIVITY
Workshops and congresses attended in the last period:
• *Workshop on Tumour Modelling*, October 8-10 2005, Szczyrk, Poland
Talk: *Pattern formation in diffusive models of biological processes*
• *Functional Methods in Biomathematics*, August 10-16 2005, Gălăneşti, Romania
Talk: *Propagation phenomena in a reaction-diffusion system modelling biological pattern formation*
• *Mathematical Methods and Models in Biology and Medicine*, May 29 - June 03, 2005, Bedlewo, Poland
Talk: *Biological pattern formation: a singular perturbation analysis approach*
• *Nonlinear Partial Differential Equations describing Front Propagation and other Singular Phenomena*, November 8-12, 2004, Lorentz Center, Leiden, Netherlands

Talk: *Singular perturbation analysis of a model describing biological phenomena*
• *International Conference on Nonlinear Operators, Differential Equations and Applications*, August 24-27, 2004, Cluj-Napoca, Romania
Talk: *Dynamics of Spiral Waves in Biological Systems*
• *Linking mathematical and biological models in cancer research*, September 24-27 2003, Magdeburg, Germany
Poster: *Mathematical analysis of signal propagation during aggregation in the slime mould*
• *First Joint Meeting between the American Mathematical Society and the Real Sociedad Matemática Española,* June 18-21, 2003, Sevilla, Spain