

International PhD Projects Programme

Ph.D. Programme: Mathematical Methods in Natural Sciences

Coordinated by Piotr Gwiazda

Institute of Applied Mathematics and Mechanics
University of Warsaw

<http://mmns.mimuw.edu.pl>

Programme operated within the Innovative Economy Operational Programme 2007-2013



INNOVATIVE ECONOMY
NATIONAL COHESION STRATEGY



*Foundation
for Polish Science*

EUROPEAN UNION
EUROPEAN REGIONAL
DEVELOPMENT FUND



Consortium members

Polish members

- Faculty of Mathematics, Informatics and Mechanics, University of Warsaw
- Institute of Mathematics, University of Wrocław
- Institute of Mathematics of the Polish Academy of Sciences
- Interdisciplinary Centre for Mathematical and Computational Modelling, University of Warsaw

Foreign members

- Interdisciplinary Center for Scientific Computing, Institute of Applied Mathematics, University of Heidelberg
- Laboratoire Jacques-Louis Lions, Pierre and Marie Curie University, Paris
- Faculty of Mathematics and Physics, Charles University in Prague
- Institute of Mathematics of the Academy of Sciences of the Czech Republic

People



Piotr Biler



Hans Georg Bock



Maksymilian Dryja



Eduard Feireisl



Piotr Gwiazda



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Ryszard Rudnicki



Angela Stevens



Zdenek Strakos



Agnieszka Świerczewska-Gwiazda



Dariusz Wrzosek



Wojciech Zajączkowski

Budget

Total budget of the project

5 749 000 PLN

Duration

September 2009 - August 2014

Positions

17 positions for Ph.D. students

Number of positions: 7

Number of candidates: 19

Ph.D. Students

- Jan Burczak *Regularity of solutions to nonlinear parabolic systems*
- Rafał Celiński *Analytic and numerical study of interacting particle systems modelling aggregation: from discrete to continuous models*
- Grzegorz Jamróz *Structured population models of cell aging and differentiation*
- Ewelina Kamińska *Fundamental problems to equations of compressible chemically reacting flows*
- Marcin Małogrosz *Models of morphogen transport*
- Agnieszka Ulikowska *Structured population models in metric spaces*
- Aneta Wróblewska *Non-Newtonian fluids with nonstandard rheology*

Next recruitment: Spring 2010

- Mini-course by Benoit Perthame, Warsaw, 8-11 December 2009
- VII Forum of Differential Equations, Będlewo, 13 - 19 June 2010
- Nonlocal operators and partial differential equations, Będlewo, 27 June - 3 July 2010
- A Week for Wojciech Zajączkowski and Regularity Aspects of PDEs, Będlewo, 5 - 11 September 2010
- Partial Differential Equations in Mathematical Biology, Będlewo, 12 - 18 September 2010