

CURRICULUM VITAE

PERSONAL DATA

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EDUCATION

since 10.2010 **JAGIELLONIAN UNIVERSITY IN CRACOW, SMOLUCHOWSKI INSTITUTE OF PHYSICS, DEPARTMENT OF THEORY OF COMPLEX SYSTEMS**
working on subject: "Application of complex system tools in biology and sociology" under Prof. Zdzislaw Burda with co-operation with Prof. Krzysztof Kulakowski (UST Cracow) and Ph.D Frederik Liljeros (SU Stockholm)

03.2010 – 06.2010 John Innes Centre in Norwich, Department: Computational and System Biology
Da Vinci fellowship: Modeling of Calcium oscillations under Prof. Richard Morris

08.2009-01.2010 UNIVERSITY OF STOCKHOLM (Department of Computer and System Science)
Internship (with EU scholarship): working on epidemiology models under Ph.D Lisa Brouwers (H1N1) and Ph.D Friderik Liljeros (MRSA)

since 2007 UNIVERSITY OF WROCLAW, FACULTY OF PHYSICS AND ASTRONOMY
COMPUTATIONAL PHYSICS (working on master thesis: "*Anomalous interactions in network of Polish Football League*" under dr Janusz Miśkiewicz)

10.2007-02.2010 WROCLAW UNIVERSITY OF TECHNOLOGY
FACULTY OF FUNDAMENTAL PROBLEMS OF TECHNOLOGY
INDUSTRIAL MATHEMATICS **ECMI**, grade: good plus (master thesis: "*Models of epidemiology*" under prof. W. Okrański)

2005 - 2007 UNIVERSITY OF WROCLAW, FACULTY OF PHYSICS AND ASTRONOMY
ECONOPHYSICS (bachelor degree) with supplement of Sociology at Faculty of Social Science

2003 - 2005 GDAŃSK UNIVERSITY OF TECHNOLOGY, FACULTY: APPLIED PHYSICS AND MATHEMATICS
TECHNICAL PHYSICS, SPECIALISATION: COMPUTER SCIENCE IN TECHNOLOGY

SKILLS

computer skills: environment Windows, Linux and Mac Os;
statistical (SPSS, Statistica) and mathematical (Matlab, R) software;
the languages of programming: SQL, PHP, C++, Visual Basic;

languages: Polish - mother language, English - very good, German - good, Ukrainian and Russian - basic.

STUDENT ACTIVITIES

Member of student associations for physicists : co – organizer of "Baltic (and Wrocław) days of science";
Alumni of BEST ("Board of European Students of Technology"): co – organizer of few events like summer course in management "Self Yourself" at Silesian University of Technology in Gliwice and "1001 Innovation" for connecting Science, Academics and Business
The co-operation with UNESCO Chair of Interdisciplinary Studies (University of Wrocław)
Working with Polish society in Ukraine (teaching in summer schools, organizing aids)
Corporal - Non-commissioned officer military rank (OR-3 in NATO code) - after student summer training at Air Force Cadet Officers School at Deblin in 2006
Since January 2007 member of Polish Physical Society: Socio - Economic Division
The co-operation with student association for sociologists: project "Social map of Wrocław"
The co-operation with Hugo Steinhaus Center for Stochastic Methods (Wrocław University of Technology)
Socrates scholarship (physics and mathematics) at University of Cologne, Germany 03.2008-07.2008

WORK EXPERIENCE

1) Dates: 08-09.2004; 08.2008 (Summer works in logistics); Occupation: logistics assistant, supervisor- Marek Kreja; Main activities and responsibilities: International transports, cooperation with Customs Services; Name and address of employer: Comi Pologne; Janikowska 33; Poznan, Pl

2) Dates: 2004-2009 (part-time during academic year); Giving private and public lessons in physics and mathematics (pedagogical course)

3) Dates: 07-09.2005 (Summer work); Occupation: line operator; Name and address of employer: Blue Arrow Agency for Tangerine; Blackpool, UK

CONFERENCES and SEMINARS

3th FENS Physics in Economy and Social Science, 22-24.06.2007, Wrocław .Pl

Polish Statisticians Society Meeting, 10-12.10.2007, Wrocław. Pl

Application statistics and data mining, StatSoft STATISTICA, 26.10.2007, Cracow. Pl

ESHIA/WEHIA Economic Science with Heterogeneous Interacting Agents, 19-21.06.2008, Warsaw. Pl

Stochastic Methods In Science and Technology, 6.12.2008, Wrocław Pl

DFG AGSOE 23-27.03.2009, Dresden, De; with talk: "Anomaly interactions in network of Polish Football League"

4th FENS Physics in Economy and Social Science, 07-09.05.2009, Rzeszów. Pl; with talk: "Anomalous interactions in network of Polish Football League: Game Theory appendix"

Workshop and Advanced Course on Deterministic and Stochastic Modeling in Computational Neuroscience and Other Biological Topic, 11-15.05.2009, Barcelona, Cat

Summer Solstice International Conference on Discrete Models of Complex System, 22-24.06.2009, Gdańsk. Pl

Workshop on outbreak signals, Swedish Institute for Infectious Disease Control, 18.09.2009 Stockholm, Se

Understanding European Public Opinion, Eurobarometer 2009, 28-29.09.2009, Gothenburg, Se

Syntpop seminar, DSV, 30.09.2009, Stockholm Se; with talk: "Contact networks and the spread of MRSA in Stockholm hospitals"

SAMS seminar: Systems Analysis and Management Science 13.11.2009, Stockholm, Se

Application statistics and data mining in scientific research, StatSoft STATISTICA, 21-22.10.2009, Warsaw, Pl

PoEM 2009 The Practice of Enterprise Modeling, 18-19.11.2009, Stockholm, Se

Stochastic Models in Neuroscience, CIRM, 18-22.01.2010 Marseille Fr; with poster: "Transmission patterns in changing states (spikes and noise) in plant's neuronal system"

DFG SOE 21-26.03.2010, Regensburg, De; with talk: "Contact networks and the spread of MRSA in hospitals"

RIVM international meeting(National Institute for Public Health and Environment), 26.05.2010, Bilthoven, NI

EBI – The Bioinformatics Roadshow, 2-4.06.2010, Prague, Cz

Statistical modeling and inference for networks (Statwork), 28-30.06.2010, Bristol, UK with poster

"Nonlinear Time Series Analysis of calcium (Ca^{2+}) signalling in plants roots"

9thMCQMC-Monte Carlo and Quasi-Monte Carlo Methods in Scientific Computing, 15-20.08.2010, Warsaw, Pl

5th FENS Physics in Economy and Social Science, 25-27.10.2010, Warsaw Pl; with poster: "Proste modele epidemiologiczne (Simple models of epidemiology)"

PUBLICATIONS and POSTERS:

"Wirtualne aspekty nauki i techniki"(in polish), Center of Rationalist and Skeptic Voltaire's name, published: 03-07-2009 <http://www.racjonalista.pl/kk.php/s.6648/q.Wirtualne.aspekty.nauki.i.techniki>

"Anomalous interactions in network of Polish Football League", Conference proceedings of DFG AGSOE 2009 ISSN 0420-0195(New Journal of Physics)

<http://www.dpg-verhandlungen.de/year/2009/conference/dresden/part/agsoe/session/5/contribution/2/>

"Transmission patterns in changing states (spikes and noise) in plant's neuronal system", Poster session 19.01.2010 at CIMR in Marseille

<http://www.univ-orleans.fr/mapmo/membres/mancini/neurostoch/slides/JARYNOWSKI.jpg>

"Contact networks and the spread of MRSA in hospitals", Conference proceedings of DFG SOE 2010 ISSN 0420-0195(New Journal of Physics)

<http://www.dpg-verhandlungen.de/year/2010/conference/regensburg/part/soe/session/13/contribution/3/>

co-author of: "Nod factor-induced calcium signalling during rhizobial infection in *Medicago truncatula*" V-th International Congress on Legume Genetics and Genomics (ICLGG), 02-08.07.2010 San Francisco, USA

HOBBYS

playing bass guitar, playing and analysing football, reading books especially sociological fantasy or s-f, travelling, avionics and railways