

Matylda Jabłońska-Sabuka

Personal details

born on: July 8, 1984, in Połczyn-Zdrój, Poland
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Education

2009 – 2011 D.Sc.(Tech) in Applied Mathematics at LUT
2007 – 2008 M.Sc. in Technomathematics at LUT
2002 – 2007 M.Sc. in Financial and Actuarial Mathematics at Wrocław University of Technology
1998 – 2002 High School in Świdwin, Poland (class of Maths and Physics profile)
Jan – Jun 2013 intensive intermediate level Finnish language course
at Etelä-Karjalan Kansalaisopisto, Lappeenranta
2006 – 2007 CAE course (preparation for CAE exam),
Profi-Lingua language school, Wrocław, Poland
1995 – 2000 language courses at English Courses Centre in Świdwin, Poland

Employment history

since Jan 2012 Post-doctoral researcher at LUT, Finland
research, teaching, MSc thesis supervision, student selection,
and coordination of HEI ICI development project
”Mathematics Education and Working Life Relevance in East Africa”
Apr 2010 – Dec 2011 junior researcher at LUT, Finland
Nov 2008 – Dec 2011 tutorial assistant (exercise teacher) at LUT, Finland
Jan 2010 – Feb 2010 visiting lecturer and researcher
at Kigali Institute of Science and Technology (KIST), Rwanda
Jan 2007 - Aug 2007 Finance Analyst at Bank Zachodni WBK S.A.
Finance Division: Assets and Liabilities Management (ALM)
Department; reason for quitting: starting studies in Finland
Jul 2005 - Dec 2006 Part time employment as a student in Trinity Programme at Bank Zachodni
WBK S.A. as a data analyst:
– work on implementation of new system (QRM) for interest rate risk
management (requirements analysis, participation in Data Warehouse loading
projects)
– permanent cooperation with Central ALM Team (AIB Group in Ireland) and
substituting for Project Manager during her absence

Additional activities

since Nov 2013	chairperson of house working group in the place of living
since Mar 2013	student selection for Technomathematics Master's Degree Programme at LUT
25-28 Feb 2013	participation in annual workshop of Finnish Center of Excellence in Inverse Problems, Luosto, Finland
1-5 Sep 2012	participation in PPSN 2012, Parallel Problem Solving from Nature Conference, Taormina, Italy, <i>Animal spirits in population spatial dynamics</i>
27 Feb - 1 Mar 2012	participation in annual workshop of Finnish Center of Excellence in Inverse Problems, Luosto, Finland
1-2 Sep 2011	participation in Artificial Economics 2011, A Symposium in Agent-Based Computational Economics, The Hague, The Netherlands, as coauthor of article <i>Multi-agent stochastic simulation for the electricity spot market price</i>
since Fall 2010	supervision of Bachelor candidates at KIST
13 Jan – 5 Feb 2010	staff exchange within CIMO Project (LUT → KIST) teaching Matlab programming, research on heart disease mortality in Rwanda with respect to specific risk factors
23 – 30 Aug 2009	group instructor on 23rd Mathematical Modeling Week in Wrocław (Poland), organized by ECMI (European Consortium for Mathematics in Industry), project: <i>Influence of physical and economical factors on electricity spot market price.</i>
28 Jun – 3 Jul 2009	participation in the 70th European Study Group for Industry hosted by Mathematics Applications Consortium for Science and Industry, Limerick, Ireland
since Jan 2009	Master's Theses technical supervisor for Technomath students at LUT
Mar 2009	self-published poetry book
Dec 2008	working out a Polish version of Clean-Box 2008 antispam software – translation from English to Polish
Sep – Oct 2008	basic MATLAB and L ^A T _E X volunteer teaching at Lappeenranta University of Technology
17 Sep 2008	participation in ESTSP (European Symposium on Time Series Prediction), Porvoo, Finland as coauthor of article: <i>Reliability of ARMA and GARCH models of electricity spot market price.</i>
Sep 2008	tutor for international students at Lappeenranta University of Technology
17 - 24 Aug 2008	participation in 22nd Mathematical Modeling Week in Eindhoven (the Netherlands), organized by ECMI, project: <i>Approximation and prediction of characteristic curves of combustion engines.</i>
Sep 2008	tutor for international students at Lappeenranta University of Technology
23 - 25 Apr 2008	participation with LUT team in HSE Corporate Credit International Case Competition, Helsinki 2008
Aug 2007	organization of a mobile action of volunteer blood donations at the work place
since Sep 2006	member of Mensa Poland association
since Nov 2002	volunteer blood donor
since 2000	Mathematics tuition teacher, up to the university level

Languages

English – fluent with Cambridge certificates: FCE (2002), CAE (2007);
Finnish – limited working proficiency, German, Italian – basic; Polish – native

Technical expertise

MATLAB, SPSS, SAS, EViews, Ctsm, SQL, L^AT_EX, QRM, MS Office Tools

Teaching Experience

Principles of Technical Computing and Scientific Publishing (introduction to Matlab and L^AT_EX)
University Mathematics Calculus
Differential Equations
Statistics II
Stochastic Theory and Models

Scholarships, grants and awards

Mar 2014	Teaching Excellence Award at LUT for the Best International Teacher in Fall 2013 semester
Jun 2013 - May 2014	travel grant from Finnish Cultural Foundation (South Carelian Fund) for research on modelling financial markets, to be carried out in Finland and Poland
May 2012 - April 2013	grant from Finnish Academy of Science and Letters
May 2011 - April 2012	fulltime PhD grant from Finnish Academy of Science and Letters
Nov 2010	grant from the Mathematics and Chemistry Fund from LUT Research Foundation
Sep 2009 - Feb 2010	Grant from Lappeenranta University of Technology Foundation for postgraduate studies, Finland
Jul 2008 - Feb 2009	Grant from Fortum Foundation for Master's Thesis, Finland
Sep 2007 - Jun 2008	Scholarship of Lappeenranta University of Technology, Finland
Sep 2000 - Jun 2001	Prime Minister Scholarship for the best High School student of school year 1999/2000, Świdwin, Poland

References

- Tuomo Kauranne, docent Ph.D., lecturer at Lappeenranta University of Technology, Finland
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- Matti Heiliö, associate professor at Lappeenranta University of Technology, Finland
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- Heikki Haario, professor at Lappeenranta University of Technology, Finland
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- Przemysław Tadrak, Director of ALM Department in BZWBK S.A., Poland
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- Małgorzata Woźniczka, Director of Operational Risk Department in BZWBK S.A., Poland
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