

Przemysław PERLIKOWSKI

PERSONAL DATA

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UNIVERSITY POSITIONS

<i>Current</i> JUN 2012	Associate Professor, Division of Dynamics, Lodz University of Technology , Poland
JUN 2014-JUL 2015	Research Fellow, Dep. of Civil & Environmental Engineering, National University of Singapore , Singapore
JAN 2008-MAY 2012	Assistant Professor, Division of Dynamics, Lodz University of Technology , Poland
SEP 2008-APR 2010	Post-doc, Department of Mathematics , Humboldt University of Berlin , Germany
SEP 2005-DEC 2007	Lecturer in Division of Dynamics, Lodz University of Technology , Poland

QUALIFICATION

SEP 2005 Master of Science in MECHANICAL ENGINEERING, Lodz University of Technology
Thesis: "Synchronization in nonlinear dynamical system and its application"
Advisor: Prof. Andrzej STEFAŃSKI

DEC 2007 Doctor of Science in MECHANICS, Lodz University of Technology
Thesis: "Complete Synchronization in networks of nonlinear oscillators"
Advisor: Prof. Andrzej STEFAŃSKI

MAY 2012 Habilitation (D.Sc) in MECHANICS, Lodz University of Technology

MEMBERSHIP IN PROJECT'S EVALUATION COMITIES

2011–2015 Member of Interdisciplinary Group for evaluation of projects submitted in program Iuventus Plus, (appointment by Minister of Science and High Education).

2012–2016 Member of Interdisciplinary Group for evaluation of projects submitted in program Diamentowy Grant, (appointment by Minister of Science and High Education).

REVIEWER OF PH.D THESIS

- 04.2015 Dr Sami Davtalab Bashm,
Nonlinear Dynamics of Long and Continuous Structures,
The University of Nottingham, Malaysia Campus.
- 11.2015 Dr Teh Sze-Hong,
Non-linear Dynamics of Pendulum via Periodic and Aperiodic Excitation,
The University of Nottingham, Malaysia Campus.

REVIEWER OF SCIENTIFIC PAPERS - JOURNALS FROM JCR LIST

Applied Mathematics and Computation, Chaos, Communications in Nonlinear Science and Numerical Simulations, Complexity, European Physical Journal Special Topics, International Journal of Advanced Manufacturing Technology, International Journal of Applied Mathematics and Computer Science, International Journal of Bifurcation and Chaos, International Journal of Mechanical Sciences, International Journal of Non-Linear Mechanics, International Journal of Structural Stability and Dynamics, Journal of Applied Physics, Journal of Mechanical Engineering Science, Journal of Sound and Vibration, Journal of Theoretical and Applied Mechanics, Journal of Theoretical Biology, Measurement, Neurocomputing, Nonlinear Dynamics, Physics Letters A, Proceedings of the Royal Society A, Scientific Reports (Nature Publishing Group).

AWARDS AND SCHOLARSHIPS

- 2013 Scholarship of Rector of Lodz University of Technology.
- 2012–2015 Scholarships for young scientists from [Minister of Science and High Education](#).
- 2011 & 2010 Two Start scholarships from [Foundation for Polish Science](#).
- 2011 Habilitation scholarship of Rector of Lodz University of Technology.
- 2010 Award of Rector of Lodz University of Technology for the scientific achievements.
- 2010 Award of Council of Polish Academy of Science and Rectors of Universities of Lodz in Technical Sciences.
- 2007–2009 Six Fellowships of [Marie Curie Foundation](#) for TC1 - TC6 [SICON](#) events.
- 2008 Award for the best PhD thesis in 2007 at Mechanical Faculty of Lodz University of Technology.
- 2007 Award of Rector of Lodz University of Technology for the teaching achievements.
- 2006 III award in nationwide competition of "Professor Jan Szmelter" organized by [Polish Society of Theoretical and Applied Mechanics](#).

TRAININGS

- Feb 2016 University of Aberdeen, [Centre for Applied Dynamics Research](#),
(3 weeks) Aberdeen, United Kingdom (Prof. Marian Wiercigroch).
- Dec 2013 University of Aberdeen, [Centre for Applied Dynamics Research](#),
(1 week) Aberdeen, United Kingdom (Prof. Marian Wiercigroch).
- Dec 2013 [Potsdam Institute for Climate Impact Research](#),
(2 weeks) Postdam, Germany (Prof. Jurgen Kurths).
- Aug 2013 University of Aberdeen, [Centre for Applied Dynamics Research](#),
(2 weeks) Aberdeen, United Kingdom (Prof. Marian Wiercigroch).
- May 2013 [Weierstrass Institute for Applied Analysis and Stochastic](#),
(3 weeks) Berlin, Germany (Dr Matthias Wolfrum).
- Jan 2013 University of Aberdeen, [Centre for Applied Dynamics Research](#),
(2 weeks) Aberdeen, United Kingdom (Prof. Marian Wiercigroch).
- Nov 2012 Department of Mathematics, Humboldt university of Berlin,
(2 weeks) Berlin, Germany (DSc Serhiy Yanchuk).
- Nov 2011 Department of Mathematics, Humboldt university of Berlin,
(2 weeks) Berlin, Germany (DSc Serhiy Yanchuk).
- Jun 2011 Scholarship for exchange of Foundation for Polish Science, Hong Kong.
[Centre for Chaos and Complex Networks](#) (Prof. G. Chen).
- Feb 2009 University of Aberdeen, [Centre for Applied Dynamics Research](#),
(2 weeks) Aberdeen, United Kingdom (Prof. Marian Wiercigroch).
- Sep 2008–Apr 2010 Post-doc in MATHEON Junior Research Group in Applied Mathematics
[Dynamics and synchronization of complex systems](#) under supervision of
[DSc Serhiy Yanchuk](#), Department of Mathematics, Humboldt University of Berlin,
Berlin, Germany.
- May 2008 [Weierstrass Institute for Applied Analysis and Stochastic](#),
(3 weeks) Berlin, Germany (DSc Serhiy Yanchuk).
- Jun 2005–Aug 2005 Material Centre Leoben, ul. Franz Josef 13, Leoben, Austria.

SCIENTIFIC PROJECTS

1. 2006 – 2007: Synchronization of network of nonlinear oscillators, Ministry of Science and Higher Education of Poland Project – N501 044 31/2919 (co-investigator with Prof. A. Stefański as principal investigator).
2. 2006 – 2009: Dynamics and synchronization nonlinear mechanical oscillators suspected on elastic beam, Ministry of Science and Higher Education of Poland Project – 2490/T02/2006/31 (co-investigator with Prof. T. Kapitniak as principal investigator).
3. 2007 – 2009: Multi-scale modelling of dry friction, Royal Society International Joint Projects 2007/R1 (RSIJP/W11/2008), United Kingdom. (co-investigator with Prof. T. Kapitniak as principal investigator).

4. 2008 – 2009: Multi-scale modelling of dry friction, International supporting grant for grant RSIJP/W11/2008 funded from Ministry of Science and Higher Education of Poland – DWM/AD/2704/2008. (co-investigator with Prof. T. Kapitniak as principal investigator).
5. 2008 – 2010: Dynamic complexity in systems with delay, DAAD (German Academic Exchange Service) – Ministry of Science and Higher Education of Poland Joint Project DWM/N97/DAAD/2008, Germany and Poland. (co-investigator with Prof. T. Kapitniak as principal investigator).
6. 2008 – 2009: International supporting grant for grant DWM/N97/DAAD/2008 - Dynamic complexity in systems with delay, Funded from Ministry of Science and Higher Education of Poland. (co-investigator with Prof. T. Kapitniak as principal investigator).
7. 2011 – 2014 Synchronization of Mechanical Systems Coupled through Elastic Structure, post-doc in TEAM project from Foundation for Polish Science. Head of project Prof. Tomasz Kapitaniak. Programme operated within the Innovative Economy Operational Programme 2007-2013, Measure 1.2 "Improvement of human potential science".
8. 2011 – 2014 New methods for estimation of Lyapunov exponents in dynamical systems, financed by National Science Centre. (co-investigator with D.Sc J. Wojewoda as principal investigator)
9. 2014 – 2016 Tuned mass damper with inerter which enables changes of inertance, financed by Ministry of Science and Higher Education. (principal investigator)
10. 2016 – 2018 Mitigation of vibrations by tuned mass damper with inerter and non-linear damper, financed by National Science Centre. (principal investigator)