

Curriculum Vitae

Personal data

Date and place of birth	March 12, 1981, Gorzów Wlkp., Poland
Citizenship	Polish
E-mail	tomsow@ifpan.edu.pl
WebPage	www.ifpan.edu.pl/~tomsow
Group WebPage	www.FewBody.ifpan.edu.pl
Other profiles	Publons • Google Scholar • Arxiv • LinkedIn
Marital status	married, three sons

Education and degrees

2015	DSc in Physics (pol. <i>dr hab. nauk fizycznych</i>) Institute of Physics of the Polish Academy of Sciences
2008	PhD in Physics (pol. <i>dr nauk fizycznych</i>) Faculty of Physics, University of Warsaw Supervisor: prof. Iwo Białynicki-Birula
2005	MSc in Physics (pol. <i>mgr fizyki</i>) Faculty of Physics, University of Warsaw, Graduated with honours Supervisor: prof. Iwo Białynicki-Birula
2000 - 2005	student at the Faculty of Physics, University of Warsaw

Scientific career

2017 -	Group Leader of the Few-Body Problems Theory Group
2016 -	Associate professor (pol. <i>profesor nadzwyczajny</i>) Institute of Physics of the Polish Academy of Sciences
2016 - 2017	Deputy Director for Scientific Affairs (pol. <i>Zastępca Dyrektora ds. Naukowych</i>) Institute of Physics of the Polish Academy of Sciences
2010 - 2016	Assistant professor (pol. <i>adiunkt</i>) Institute of Physics of the Polish Academy of Sciences
2013 - 2015	Assistant professor (pol. <i>adiunkt</i>) Center for Theoretical Physics of the Polish Academy of Sciences
2012 - 2013	KOLUMB PostDoc Scholarship granted by the Foundation for Polish Science ICFO – The Institute of Photonic Sciences, Barcelona (9 months)
2011	Visiting Scientist ICFO – The Institute of Photonic Sciences, Barcelona (3 months)
2009 - 2012	Assistant professor (pol. <i>adiunkt</i>) Faculty of Biology and Environmental Sciences, Cardinal Stefan Wyszyński University
2005 - 2009	Assistant (pol. <i>asystent</i>) Center for Theoretical Physics of the Polish Academy of Sciences
2003 - 2005	Laboratory technician for informatics (pol. <i>laborant ds. informatycznych</i>) Center for Theoretical Physics of the Polish Academy of Sciences

PI in scientific grants

- 2017 - "Two-component mixtures of a few attractive ultra-cold fermions"
grant funded by the National Science Center (program Sonata BIS 6)
Institute of Physics of the Polish Academy of Sciences
- 2015 - 2017 "Strongly correlated systems of a few ultra-cold atoms"
grant funded by the Ministry of Science and Higher Education (program Iuventus Plus)
Institute of Physics of the Polish Academy of Sciences
- 2012 - 2013 "Creation of angular momentum states in optical lattices"
grant founded by the Foundation for Polish Sciences (program Kolumb)
ICFO - The Institute of Photonic Sciences, Barcelona, Spain
- 2011 - 2014 "Ultra-cold gases in optical lattices with different shapes"
grant funded by the National Science Center (program Sonata 1)
Institute of Physics of the Polish Academy of Sciences

Supervisor experience

PhD supervisor

- 2017 Daniel Pęczak
„Strongly correlated systems of a few ultra-cold fermions with unequal masses"
Institute of Physics of the Polish Academy of Sciences

PhD co-supervisor

- 2013 Joanna Pietraszewicz
"Ultra-cold bosonic atoms with weak magnetic interactions confined in optical lattices"
Supervisor: Prof. Mariusz Gajda
Institute of Physics of the Polish Academy of Sciences

MSc supervisor

- 2019 Andrzej Chrostowski
"Properties of a few ultra-cold fermions in two dimensional harmonic trap"
Faculty of Physics, University of Warsaw
- 2019 Damian Włodzyński
"Variational Jastrow ansatz for a a few interacting bosons in a harmonic trap"
Faculty of Physics, University of Warsaw
- 2016 Jacek Dobrzyniecki
"Exact dynamics of two ultra-cold bosons in a one-dimensional double-well trap"
Faculty of Mathematics and Natural Studies, Cardinal Stefan Wyszyński University

Bachelor supervisor

- 2010 Marcin Obidziński
"Motion of the charged particle in crossed electric and magnetic fields"
Faculty of Mathematics and Natural Studies, Cardinal Stefan Wyszyński University
- 2009 Piotr Majblat
"Estimation of areas of polygons with Monte Carlo approach"
Faculty of Mathematics and Natural Studies, Cardinal Stefan Wyszyński University

Student's internship supervisor

- 2012 - Paweł Kozów • Jacek Dobrzyniecki • Dariusz Wiater • Piotr Wrzosek
Andrzej Chrostowski • Robert Grosz • Damian Włodzyński • Aleks Czejdo
Marcin Feliniak • Rafał Błaszkiwicz

Evaluator experience

Scientific promotion procedures

- 2019 Habilitation procedure of Paweł Zin (assessment committee member)
National Center for Nuclear Research
- 2019 Habilitation procedure of Michał Rode (referee)
Institute of Physics of the Polish Academy of Sciences
- 2019 Habilitation procedure of Krzysztof Pawłowski (assessment committee member)
Faculty of Physics, University of Warsaw
- 2017 Doctoral thesis referee
Dissertation by Arkadiusz Kuroś under supervision of prof. Anna Okopińska
Institute of Physics, Jan Kochanowski University
- 2015 Doctoral thesis referee
Dissertation by Oleksandr Marchukov under supervision of prof. Nikolaj Zinner
Department of Physics and Astronomy, Aarhus University, Denmark

Science popularization

1. Member of the Programme Council of the Copernicus Science Centre in Warsaw.
2. Over sixty articles about physics published in the oldest Polish educational magazine "Young Technician" (Pol. "Młody Technik") and in "Characters" (Pol. "Charaktery")
3. Four educational movies published electronically in "Young Technician" (Pol. "Młody Technik")
4. Five lectures for Scientific Circle in the Institute of Physics of the Polish Academy of Sciences
5. A. Trętowska, Ł. Nowotko, W. Śliwa, G. Wrochna, T. Sowiński, P. Fita
"CCD Observatory in school. Guide for students, teachers and parents"
Electronic publication funded by European Commission in program "Hands-On Universe" (2005)
6. Over twenty lectures for the general public on physics
7. Permanent lectures and workshops for children at "University of Children"

Awards and scholarships

- 2016 Director of the Institute of Physics Prize
for the best habilitation dissertation in 2015
- 2015 The Stefan Pieńkowski Prize of the Polish Academy of Sciences
in the field of physics for the year 2015
- 2014 Director of the Institute of Physics Prize
for the best scientific publication in 2013
- 2013 3-year scholarship for Outstanding Young Scientists
granted by Ministry of Science and Higher Education
- 2012 KOLUMB PostDoc Scholarship granted by the Foundation for Polish Science
- 2009 Best lecture of the XIII Science Festival in Warsaw
- 2008 "Master of science popularization – Golden Mind 2008"
Title awarded by the President of the Polish Academy of Sciences
- 2004/05 Ministry of National Education Scholarship
- 2005, 09, 10 Nominated for the title "Popularizer of Science" awarded by the Polish Press
Agency and the Ministry of Science and Higher Education

Certificates by Coursera

- Stanford Univ. [Machine Learning](#)
- IBM [Python for Data Science](#) • [Data Visualization with Python](#) • [Data Analysis with Python](#)
- deeplearning.ai [Neural Networks and Deep Learning](#) • [Improving Deep Neural Networks](#)