

CURRICULUM VITAE

PERSONAL DATA

Name Arkadiusz Paweł Trawiński

E-mail Arkadiusz.Trawinski@fuw.edu.pl

Office address Pasteura 5, room 4.43, 02-093 Warsaw, Poland

Telephone no. +48 22-55-32-843

Birth place Toruń, Poland

Birth date 28 Sep 1987

Marital status Married

Citizenship Polish

Education

2011–2016 Doctor of Science, University of Warsaw. Thesis topic *Hadron light-front wave functions based on AdS/QCD duality* (defended on Jul 13, 2016; issued on Sep 19, 2016)

2006–2011 Master of Science (Honours), University of Warsaw. Thesis topic *Hamiltonian description of neutrino oscillations* (Undergraduate & Postgraduate combined) (defended on Jul 12, 2011; issued on Jul 13, 2011)

2006–2010 Bachelor of Computer Science (Honours), University of Warsaw. Thesis topic *GRAV - a tool for fast processing of time series* (defended on Jun 29, 2010; issued on Oct 12, 2010)

References

Stanley J. Brodsky (sjbth@slac.stanford.edu), SLAC, Stanford University

Stanisław D. Głazek (stglazek@fuw.edu.pl), University of Warsaw

Hans Günter Dosch (dosch@thphys.uni-heidelberg.de), Heidelberg University

Ewa Rondio (ewa.rondio@cern.ch), National Centre for Nuclear Research

Guy F de Téramond (gfdtp@gmail.com), Universidad de Costa Rica

Research Grants

2015–2017 PRELUDIUM 8 grant of NCN fundation, principal investigator, research project *Examination of the proton light-front wave function*

2011–2015 International PhD studies at the Faculty of Physics University of Warsaw, The Foundation for Polish Science, research project *Hadron light-front wave functions based on AdS/QCD duality*

Honors And Awards

- 2015 Gary McCartor Fellowship
- 2013–2014 Fulbright Junior Advanced Research Award at Stanford University
- 2012 Dean's Award for Excellent Achievements in Teaching
- 2009/10, 2010/11 Scholarship from the Polish Minister of Science and Higher Education for academic achievement
- 2006 Honourable Mention at XXXVII International Physics Olympiad in Singapore
- 2006 Laureate of Physics Polish National Olympiad - 7th place

Internships/Fellowships

- Sep 2013 – Mar 2014 Visiting Student Researcher at SLAC, Stanford University, USA supervised by Stanley J. Brodsky
- Jun, Jul 2009 Center for Theoretical Physics of the Polish Academy of Sciences, supervised by Jerzy Kijowski, project *Dynamic of spin in General Relativity*
- Aug 2009 Testing photomultiplier for ArDM detector, CERN
- Jul 2008 Participate in assembling ICARUS detector, Gran Sasso Laboratory

Short-term Scientific Visits

- 27 – 30 Nov 2016 A stay at University of California - Irvine, USA supervised by Jonathan Feng
- 8 – 14 Nov 2016 A stay at Indiana State University, USA, supervised by Adam Szczepaniak
- 16 – 22 Oct 2016 A stay at Nuclear Physics Theory Group, Iowa State University, USA, supervised by James P. Vary
- 10 – 15 Oct 2016 A stay at SLAC National Accelerator Laboratory, Stanford University, USA, supervised by Stanley J. Brodsky
- 28 Sep – 5 Oct 2016 A stay at Department of Physics, The Ohio State University, supervised by Robert J. Perry and Richard J. Furnstahl
- 16–23 July 2016 A stay at Raymond & Beverly Sackler Faculty of Exact Sciences, Tel Aviv, Israel, supervised by Marek Karliner
- 1–10 Mar 2013 A stay at Institut für Theoretische Physik der Universität Heidelberg, Heidelberg, Germany supervised by Professor Franz Wegner

Teaching Experience

- Winter 2014 Electrodynamics
- Summer 2012 Advanced Programming in C++
- Winter 2012 Algebra with geometry I
- Summer 2011 Microcontroller programming

Seminars and Conferences

- 11 Nov 2016 Indiana State University, USA, invited talk *Diffractive scattering process of pions on a nuclear target*
- 20 Oct 2016 Iowa State University, USA, invited talk *The pion diffractive process*
- 12 Oct 2016 SLAC National Laboratory, Stanford University, USA, invited talk *The pion diffractive process*
- 1–18 Jun 2016 [The 31st Annual Hampton University Graduate Summer program](#), Jefferson Laboratory, Newport News, talk *Hadron light-front wave functions based on AdS/QCD duality*
- 21–25 Sep 2015 [Light Cone 2015](#), Frascati, Italy, talk *The Pion Renormalized Light-Cone Wave Function*
- 7–8 Sep 2015 [XLIII Zjazd Fizyków Polskich](#), Kielce, Poland, talk *Hadron light-front wave functions based on AdS/QCD duality*
- 20–28 Jun 2015 [55. Cracow School of Theoretical Physics](#), Particles and resonances of the Standard Model and beyond, Zakopane, Poland
- 11–13 May 2015 [Astroparticle Physics in Poland](#), Warsaw, Poland
- 3–5 Sep 2014 [Theory Meeting Experiment: Neutrinos and Cosmos](#), Warsaw, Poland, poster *Neutrino oscillation in Hamiltonian dynamics*
- 13–19 Jul 2014 [IX SKFiz Scientific Camp in Tatra Mountains](#), Bukowina Tatrzańska, Poland, talk *Pion diffractive processes*
- 2 Jun 2014 [Fundamental Interaction Seminar](#), Faculty of Physics, University of Warsaw, talk *Universality of effective potentials in models of mesons*
- 26–30 May 2014 [Light Cone 2014](#), Raleigh, North Carolina, USA, North Carolina State University, talk *Universality of effective potentials in models of mesons*
- 10–11 May 2014 [1st Symposium of the Division for Physics of Fundamental Interactions of the Polish Physical Society Various Faces of QCD](#), Jan Kochanowski University, Kielce
- 28 May – 2 Jun 2014 [XXII International Workshop on Deep inelastic Scattering and Related Subjects](#), Warsaw
- 19 Mar 2014 High Energy Physics Seminar, Department of Physics and Astronomy, University of Pittsburgh, USA, talk *Effective Confining Potentials for QCD*
- 12 Mar 2014 Theoretical Physics Seminar at SLAC, Stanford University, USA, talk *Effective Confining Potentials for QCD*
- 30 Jun - 7 Jul 2013 [VIII SKFiz Scientific Camp in Tatra Mountains](#), Bukowina Tatrzańska, Poland, talk *Proton Form Factor*
- 20–25 May 2013 [Light Cone 2013](#), Skiathos, Greece, Ruhr Universität Bochum, talk *Model of the AdS/QFT duality*
- 15–22 Jul 2012 [VII SKFiz Scientific Camp in Tatra Mountains](#), Bukowina Tatrzańska, Poland, talk *Interpretation of neutrino experiments in Hamiltonian dynamics*
- 8–13 Jul 2012 Light Cone 2012, Cracow, Polish Academy of Arts and Sciences, talk *Neutrino oscillations in Hamiltonian dynamics*
- 3–6 Jul 2012 Hadrons, AdS/QCD Duality and the Physics of the Vacuum, University of Warsaw, Warsaw, Poland, talk *Neutrino oscillations in formal scattering theory*
- 28 May – 1 Jun 2012 PLANCK 2012 conference *from Planck scale to the electroweak scale*, Warsaw

- 13–15 Apr 2012 30th Max Born Symposium, Wrocław, Poland
- 12 Mar 2012 Fundamental Interaction Seminar, Faculty of Physics, University of Warsaw, talk *Neutrino oscillations from the Hamiltonian point of view*
- 25 Feb – 3 Mar 2012 [50. Internationale Universitätswochen für Theoretische Physik](#), Schladming, Austria, talk *Neutrino oscillations from the Hamiltonian point of view*
- 16–19 Dec 2011 AdS/CFT Worksop, Warsaw, Poland
- 10–13 Nov 2011 X Meeting of Polish Physics Students Clubs, Poznań, Poland poster *Scientific Expedition to Chernobyl*
- 22–20 Aug 2011 [Scalars 2011](#), Warsaw
- 11–18 Aug 2011 XXVI. International Conference of Physics Students ICPS2011, Budapest, Hungary, talk *Hamiltonian description of neutrino oscillations*, poster *Scientific Expedition to Chernobyl*
- 17–24 Jul 2011 [VI SKFiz Scientific Camp in Tatra Mountains](#), Bukowina Tatrzańska, Poland, talk *Scientific Expedition to Chernobyl - first results*
- 5–7 Jul 2011 Science, Technology, Higher Education, and Society in the Conceptual Age, Cracow, Poland
- 27 Jun - 5 Jul 2011 [Scientific Expedition to Chernobyl](#), Ukraine, co-organizer
- 5–8 May 2011 X Polish Conference of Physics Students Clubs, Brenna, Poland talk *Neutrinos in art and science*
- 5–8 Nov 2010 IX Meeting of Polish Physics Students Clubs, Toruń, Poland
- 19–29 Aug 2010 VI Summer Scientific Schools, Olsztyn, Poland, invited talk *Preparation for Physics Olympiad - exercises*
- 4–11 Jul 2010 [V SKFiz Scientific Camp in Tatra Mountains](#), Bukowina Tatrzańska, Poland, talk *Scattering of plain waves*
- 29 Aug – 5 Sep 2010 Standard Model and Beyond - Cosmology (Worksop), Corfu Summer Institute
- 9–13 Aug 2010 Hadron Physics Summer School, Bad Honnef, Germany, talk *Heavy bound states*
- 17–18, 20–21 May 2010 Road to reality with Roger Penrose - mathematics, physics and philosophy, Warsaw and Cracow, Poland
- 22–25 Apr 2010 IX Polish Conference of Physics Students Clubs, Brenna, Poland
- 15–22 Sep 2009 [IV SKFiz Scientific Camp in Tatra Mountains](#), Bukowina Tatrzańska, Poland, talk *Thomasa precession*
- 23–24 Oct 2008 Meeting of Polish Neutrino Grups, Warsaw, Poland talk *Evens classification in ND280*
- 20–27 Jul 2008 [III SKFiz Scientific Camp in Tatra Mountains](#), Bukowina Tatrzańska, Poland, talk *Differential geometry in classical mechanics*