CV - Mgr. Vojtěch Pravda, Ph.D., DSc.

Date and Place of Birth: September 2, 1971 in Prague, Czech Republic

Education:
1990-1995: Charles University, Faculty of Mathematics and Physics, Prague, Master degree (1995), *Summa cum laude*
1995-1999: Charles University, Faculty of Mathematics and Physics, Prague, Ph.D. degree (1999)

Professional Appointments:
1999-2018: researcher at the Institute of Mathematics of the Czech Academy of Sciences
2018-now: Research Professor at the Institute of Mathematics of the Czech Academy of Sciences
2014-now: Head of the department of Algebra, Geometry and Mathematical Physics

Awards:
Josef Hlávka Prize (2004)

Publications:
- Author of 39 research papers in international journals (Classical and Quantum Gravity, Physical Review D, Journal of High Energy Physics, Physics Letters B, Journal of Mathematical Physics, General Relativity and Gravitation, etc).
- In the ISI Web of Science database: 46 publications (including selected conference proceedings contributions), 893 citations (without self-citations), h-index 18.
- Paper: V. Pravda, A. Pravdová, M. Ortaggio, *Type D Einstein spacetimes in higher dimensions*, Class. Quant. Grav. **24** (2007) 4407-4428
  was elected by the Editorial Board of Class. Quant. Grav. to one of highlights of the years 2007-2008.
- Paper: A. Pravdová, V. Pravda, *Newman-Penrose formalism in higher dimensions: vacuum spacetimes with a non-twisting geodetic multiple Weyl aligned null direction*, Class. Quant. Grav. **25** (2008), 235008
  was elected by the Editorial Board of Class. Quantum Grav. to one of highlights of the years 2008-2009.

Selected invited lectures:
- Canadian Mathematical Society Summer Meeting, Halifax, 2004 (invited talk in a parallel session)
- 12th Marcell Grossmann Meeting, Berlin, 2006 (invited review lecture in a parallel session)
- 13th Marcell Grossmann Meeting, Paris, 2009 (invited review lecture in a parallel session)
- Lecture at DAMTP, Cambridge university, UK, August 2009
- 19th International Conference on General Relativity and Gravitation, Mexico City, 2010 (invited talk in a parallel session)
- 14th Marcell Grossmann Meeting, Stockholm, 2012 (invited talk in a parallel session)
- 21th International Conference on General Relativity and Gravitation, New York, 2016 (invited review lecture in a parallel session)
- Lecture at DAMTP, Cambridge university, UK, October 2016

Research visits:
- Max-Planck Institute (Potsdam, Germany, 1997),

- Friedrich Schiller University (Jena, Germany, 1998),

- University of Texas (Austin, USA, 2001),

- Dalhousie University (Halifax, Canada, 2002, 2003, 2004)

- University of Trento (Italy, 2006),

- Cambridge University (UK, 2009, 2012),

- Institute of Mathematics, Utrecht (Netherlands, 2011),

- Stavanger University (Norway, multiple visits 2012-2018)

student supervision:

- Matěj Kudrna (Bc. thesis, defended in 2008),

- Petr Ducháček (Master thesis, defended in 2012),

- Tomáš Málek (Ph.D. thesis, defended in 2012, `arXiv:1204.0291`),

- Jan Novák (Ph.D. thesis, defended in 2015),

- Tomáš Tintěra, Ph.D. student

External examinor of Ph.D. theses in theoretical physics at

- MFF UK, Charles University, Prague

- Dept. of Mathematics and Statistics, Dalhousie University, Halifax, Canada

- DAMTP, Cambridge, UK

Other Professional Activities

- (2001-) member of the editorial board of *Pokroky matematiky, fyziky a astronomie*

- (2012-2016) member of the supervisory board of the Institute of Mathematics of the Academy of Sciences of the Czech Republic

- (2017-) member of the board of the Institute of Mathematics of the Academy of Sciences of the Czech Republic

Scientific projects:

- (2014-2018) Project title: Albert Einstein Center for Gravitation and Astrophysics (GACR Excellence Project 14-37086G), coordinator: Faculty of Mathematics and Physics, Charles University, the Czech Republic, role: principal co-investigator

- (2013-2017) Project title: Higher dimensional gravity (Research grant 13-10042S), coordinator: Institute of Mathematics of the Academy of Sciences of the Czech Republic, the Czech Republic, role: principal investigator

- (2013-2015) Project title: Algebraic classification of tensors on Lorentzian manifolds and its applications (Internal support program for projects of international cooperation M100191201), coordinator: Institute of Mathematics of the Academy of Sciences of the Czech Republic, the Czech Republic, role: principal investigator

- (2010-2012) Project title: General relativity in higher dimensions (Research grant P203/10/0749), coordinator: Institute of Mathematics of the Academy of Sciences of the Czech Republic, the Czech Republic, role: principal investigator

- (2007-2009) Project title: Solutions of the Einstein equations in higher dimensions (Junior research grant KJB 10190702), coordinator: Institute of Mathematics of the Academy of Sciences of the Czech Republic, the Czech Republic, role: team member

- (2004-2006) Project title: Curvature invariants and classification of curvature tensors (Junior research grant KJB 1019403), coordinator: Institute of Mathematics of the Academy of Sciences of the Czech Republic, the Czech Republic, role: principal investigator