

# David Stanovský

## The Curriculum Vitae

April 10, 2019

### General Information

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#### Personal Data

*born* September 30, 1977  
*nationality* Czech  
*languages* Czech (native), English, Russian (fluently)  
*email* stanovsk@karlin.mff.cuni.cz

#### Education

1995–2004 Charles University, Prague, Czech Republic  
2001 Master's degree in Mathematics, advisor Tomáš Kepka  
2003 a degree in Mathematics Education  
2004 PhD in Mathematics, advisor Jaroslav Ježek

Habilitation in algebra in 2012.

Long term visits during studies:

1999 (1 semester) Vrije Universiteit, Amsterdam, Netherlands (Erasmus program)  
2003 (2 months) Vanderbilt University, Nashville, USA (visiting researcher)  
2004 (2 months) Vanderbilt University, Nashville, USA (visiting researcher)

#### Jobs

2005–2012 assistant professor, Charles University.  
from 2013 associate professor (“docent”), Charles University.  
from 2018 head of the Department of Algebra

Long term visits after graduation:

2004 (2 months) Vanderbilt University, Nashville, USA (visiting researcher)  
2007 (1 semester) Novosibirsk State Technical University, Russia (exchange program)  
2011/12 (1 year) University of Denver, USA (lecturer)  
2015-16 (1 year) International IT University, Almaty, Kazakhstan (associate professor)  
2016-17 (1 semester) Kazakh-British Technical University, Almaty, Kazakhstan (associate professor)

### Research

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My primary research interest is general algebra and its applications. Most of my work addresses various classes of non-associative algebraic structures such as quasigroups, loops, medial and self-distributive structures, using methods of group theory and universal algebra. My current research projects are mostly about quandles, their use in knot theory, and other structures related to the Yang-Baxter equation. I am also interested in automated theorem proving in service of solving mathematical problems.

#### Summary

- 39 research papers in mathematics and computer science
- extensive participation at conferences, including 5 plenary invited talks (AAA86 2013, Loops'15, NSAC'17, Loops'19, IPMC2019)
- participation on several grant projects (Grant Agency of Czechia, various international cooperation grants), principal investigator of a GAČR postdoctoral project

The list of publications: <http://www.karlin.mff.cuni.cz/~stanovsk/publications.htm>

## Teaching

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I have an extensive teaching experience: from the beginning as a teaching assistant during my studies, through my junior years as an assistant professor at Charles University, gaining experience as a lecturer at foreign institutions (USA, Russia, Kazakhstan), to coordinating the "Mathematics for IT" study branch.

### Summary

- teaching at Charles University since 1998
- foreign experience: Novosibirsk State Technical University (Russia), University of Denver (USA), International IT University and Kazakh-British Technical University (Kazakhstan)
- coordinator of the "Mathematics for IT" study branch since 2018
- author of two textbooks, *Fundamentals of abstract algebra* (2010), and *Computer algebra* (2011, with L. Barto), published by the university publishing house Matfyzpress
- co-founder of the Seminar on combinatorial, algorithmic and finitary algebra (since 2005) and of the scientific spring schools for the students of the Department of Algebra (since 2010)

## Professional Service

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- head of the Department of Algebra (since 2018), vicehead 2010-13
- member of the academic senate (discontinuously between 1999 and 2014, 2000/01 chair of the student chamber, 2011/12 and 2013/14 vicechair of the senate)
- principal organizer of several international mathematical conferences (Loops'07, Loops'11, SSAOS 2008,15,18, Algebras&Clones 2010,14, AAA 2017)
- program committee of ESARM (Birmingham 2008) a AutoMaTheo (Edinburgh 2010) workshops in artificial intelligence
- organizing mathematical events for students (a high school competition 1995-1999, spring schools since 2010)