

# Curriculum Vitae

## Name:

Doc. RNDr. Daniel Hlubinka, Ph.D.

## Project:

OP JAK

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## Personal details

Family name:	Hlubinka	Web:	<a href="http://www.karlin.mff.cuni.cz/~hlubinka">www.karlin.mff.cuni.cz/~hlubinka</a>
First name:	Daniel	ORCID:	0000-0003-4016-3632
Nationality:	Czech	Scopus ID:	6508148244
Date of birth:	May 29, 1971	Researcher ID:	C-6385-2017

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## Degrees

2007: **Docent** (Associate professor)  
Univerzita Karlova, Praha, Czech Republic

1999: **PhD in Probability and Mathematical Statistics**,  
Univerzita Karlova, Praha, Czech Republic, supervisor Prof. Josef Štěpán.

1995: **MSc in Biostatistics**, Limburgs Universitair Centrum (now Universiteit Hasselt),  
Kingdom of Belgium

1994: **Mgr in Mathematics** (MSc equivalent),  
specialization in Probability and Mathematical Statistics,  
Univerzita Karlova, Praha, Czech Republic

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## Graduate supervision

PhD. students: 2017 Ivan Kasanický (now SAS Slovakia)  
2016 Stanislav Nagy (now Univerzita Karlova, Praha), cotutelle with prof. Gijbels, KU Leuven  
2015 Lukáš Kotík (now National Radiation Protection Institute, Praha)  
2011 Ondřej Vencálek (now Univerzita Palackého, Olomouc)

Master: 2021 V. Dolník, 2016 M. Hrochová, 2013 H. Hilbert and other 14 before 2013.

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## Experience

2007–present: Docent (Associate professor), Univerzita Karlova, Praha  
Faculty of Mathematics and Physics, Dept. of Probability and Mathematical Statistics

1999–2006: Odborný asistent (Assistant professor), Univerzita Karlova, Praha  
Faculty of Mathematics and Physics, Dept. of Probability and Mathematical Statistics

1997–1998: Civil service

1993–1996: Nationale Nederlanden, actuarial (part time job)

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## Grants and awards

GA23-05737S: Functional Fourier Data Analysis, principal investigator, 2023–2025

GA18-08888S: Two-sample Change Point, team member, 2018–2020

GA14-07234S: Multivariate Regression Quantiles in Econometry, principal co-investigator, 2014–2016

IAP P7/06: Developing crucial Statistical methods for Understanding major complex Dynamic Systems in natural, biomedical and social sciences, team member, 2012–2017 (Belgian grant)

NIMH (HPTN043): Project Accept: Effect of community-based voluntary counselling and testing on HIV incidence and social and behavioural outcomes, team member, 2004–2010 (USA grant)

1999, 2001: The Bernard Bolzano Endowment Fund award for young researchers.

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## Scientific activities

*Union of Czech Mathematicians and Physicists*, member of the Executive Committee (2014–), 2nd vice-president (2018–)

*Czech Mathematical Society*, member of the Executive Committee (2002–2022), treasurer (2010–2022)

*Bernoulli Society*, member of the European Regional Committee (2010–2014)

*Institute of Mathematical Statistics*, member

*Czech Statistical Society*, member

*European Mathematical Society*, member

Standard service as reviewer, organizer of seminars and meetings, editorial work, etc.

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## Selected 5 publications since 2016

- [1] HLÁVKA, Zdeněk, HLUBINKA, Daniel and KOŇASOVÁ Kateřina (2022). Functional ANOVA based on empirical characteristic functionals. *Journal of Multivariate Analysis*, **189**, Art. no. 104878, 15pp. <https://doi.org/10.1016/j.jmva.2021.104878>
- [2] HALLIN, Marc, HLUBINKA, Daniel and HUDECOVÁ, Šárka (2022). Efficient fully distribution-free center-outward rank tests for multiple-output regression and MANOVA. *Journal of the American Statistical Association* (available online, to be printed). <https://doi.org/10.1080/01621459.2021.2021921>
- [3] HLUBINKA, Daniel, KOTÍK, Lukáš and ŠIMAN, Miroslav (2022). Multivariate quantiles with both overall and directional probability interpretation. *Scandinavian Journal of Statistics*, **49**, 1586–1604.
- [4] NAGY, Stanislav, GIJBELS, Irène and HLUBINKA, Daniel (2017). Depth-based recognition of shape outlying functions. *Journal of Computational and Graphical Statistics* **26** (4), 883–893 (+ 20 pages supplement) .
- [5] NAGY, Stanislav, GIJBELS, Irène, OMELKA, Marek and HLUBINKA, Daniel (2016). Integrated depth for functional data: Statistical properties and consistency. *ESAIM: Probability and Statistics* **20**, 95–130.

## Selected workshops and conferences: presentations and committee member

**2022** Co-organizer and member of the scientific committee *Robust*

**2021** Conference *Annual Meeting of the Royal Statistical Society of Belgium*, Liège. Talk *Multivariate distribution-free center-outward rank tests*

**2021** Member of the scientific program committee *Int. Workshop of Functional and Operatorial Statistics*, Brno. Talk *Functional ANOVA based on empirical characteristic functionals*.

**2019** Conference *CRONOS - Multivariate Data Analysis 2019*, Limassol. Talk *Weighted localisation of data depth in the invited session Data Depth and Multivariate Quantiles*.

**2019** Conference *14th Workshop on Stochastic Models, Statistics and Their Applications*, Dresden. Talk *Directional regression quantiles in the organized session Multivariate Distributions and Copulas*.

**2018** Seminar *ECARES*, ULB Brussels. Talk *Functional data: Depth and outliers*

**2018** Conference *NORDSTAT*, Tartu. Talk *Weighted halfspace depth*

**2015** Member of the scientific program committee *European Meeting of Statisticians*, Amsterdam. Talk *Elliptical regression quantiles in the invited session Recent Advances in Statistical Depth*.