# Roman Lávička: Curriculum Vitae

**Born:** February 8, 1972, Sušice, Czechoslovak Republic

**Nationality:** Czech

**Address:**
Mathematical Institute of Charles University, Faculty of Mathematics and Physics,
Sokolovská 83, 186 75 Praha 8, Czech Republic

Phone: +420 951 553 204
E-mail: lavicka@karlin.mff.cuni.cz

**Education and academic qualifications:**

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| 1990 - 1995 | Masters degree in mathematics,<br>Faculty of Mathematics and Physics, Charles University, Prague |
| 1998 | Ph.D., Faculty of Mathematics and Physics, Charles University, Prague |
| 2012 | Associate Professor, mathematics – mathematical analysis,<br>Faculty of Mathematics and Physics, Charles University, Prague |

**Employment:**

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| 1998 - 2012 | Assistant Professor,<br>Faculty of Mathematics and Physics, Charles University, Prague |
| 2013 - | Associate Professor, complex analysis,<br>Faculty of Mathematics and Physics, Charles University, Prague |

**Pedagogical activities:**

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| 1998 - | real and complex analysis, functional analysis, Riemann surfaces, Lie groups |

**Scientific and research activities:**
My main field of research is mathematical analysis. My most important contributions concern Clifford analysis, in particular, constructions of Gelfand-Tsetlin bases for polynomial solutions of invariant differential equations.

publication activity: 1 monograph, 42 publications

**Visiting positions:**
National University of Ireland, Maynooth, 2004, 4 months;
Ghent University, Ghent, Belgium, 2019, 1 month.

shorter research visits [sometimes repeated] at universities in:
Ghent, Belgium [9]; Maynooth, Ireland [3]; Milano, Italy [4]; Aveiro, Portugal

**University activities:**

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| 1998 - 2012 | Scientific Secretary, Mathematical Institute of Charles University, Prague |
| 2012 - 2018 | Executive Editor of Commentationes Mathematicae Universitatis Carolinae (CMUC) |
| 2019 - | Editor of the journal CMUC |

**Most important publications:**


1. R. Lávička, A.G. O'Farrell and I. Short, Reversible maps in the group of quaternionic Möbius transformations, Math. Proc. Camb. Phil. Soc. 143 (2007), 57-69.

2. R. Lávička, Finely continuously differentiable functions, Expo. Math. 26 (2008), 353-363.

3. R. Lávička, V. Souček and P. Van Lancker, Orthogonal basis for spherical monogenics by step two branching, Ann. Glob. Anal. Geom. 41 (2012) (2), 161-186.

4. S. Bock, K. Gürlebeck, R. Lávička and V. Souček, The Gelfand-Tsetlin bases for spherical monogenics in dimension 3, Rev. Mat. Iberoamericana 28 (2012) (4), 1165-1192.

5. R. Lávička, Complete orthogonal Appell systems for spherical monogenics, Complex Anal. Oper. Theory 6 (2012) (2), 477-489.

6. F. Brackx, H. De Schepper and R. Lávička, Generalized Taylor Series in Hermitian Clifford Analysis, J. Math. Anal. Appl. 421 (2015), 1531-1545.

7. F. Colombo, R. Lávička, I. Sabadini and V. Souček, The Radon transform between monogenic and generalized slice monogenic functions, Math. Ann. 363 (2015), 733-752.

8. R. Lávička, D. Šmíd, Fischer decomposition for polynomials on superspace, J. Math. Phys. 56, 111704 (2015).

9. R. Howe, R. Lávička, S.T. Lee, V. Souček, A reciprocity law and the skew Pieri rule for the symplectic group, J. Math. Phys. 58 , 031702 (2017).

10. F. Brackx, H. De Schepper, D. Eelbode, R. Lávička and V. Souček, Fischer decomposition for the symplectic group, J. Math. Anal. Appl. 458 (2018), 831-848.


Prague, June 19, 2019