

Curriculum vitae

- **PERSONAL INFORMATION**

Name: Vladimír MÜLLER

ResearcherID: D-5433-2014

Nationality: Czech

Birth date: 23.10.1950

- **EDUCATION AND EXPERTISE**

2006 Full Professor, Mathematical Institute, Silesian University in Opava
 2004 Docent habilitation, Mathematical Institute, Silesian University in Opava
 1993 Doctor of Science (DrSc. degree), Academy of Sciences of the Czech Republic
 1979 CSc. degree, Czechoslovak Academy of Sciences, Prague
 1968–1973 Master studies, Faculty of Mathematics and Physics, Charles University, Prague

- **CURRENT POSITION**

1975–present Researcher, Institute of Mathematics, Czech Academy of Sciences, Prague

- **APPOINTMENTS and PROFESSIONAL ACTIVITIES** (selected long term visits)

2014 University of Auckland, New Zealand, 1 month
 2010–2011 Universidad Politecnica de Valencia, Spain, 3 months
 2010 Université des Sciences et Technologies de Lille, France, 2 months
 2008 University of Toruń, Poland, 1 month
 2007 University of Toruń, Poland, 1 month
 2006 Institute of Mathematics, Polish Academy of Sciences, Warsaw, Poland, 2 months
 2006 Université des Sciences et Technologies de Lille, France, 1 month
 2004 Université des Sciences et Technologies de Lille, France, 2 months
 2003 Technische Universität Berlin, Germany, 1 month
 2002 Universidad de Cádiz, Spain, 1 month
 1999 Universidad Autónoma Metropolitana, Itzapalapa, Mexico City, 1 month
 1998 Universität des Saarlandes, Saarbrücken, Germany, 3 months
 1997 Universidad Nacional Autónoma de México, Mexico City, 1 month
 1995–1996 Georgia Institute of Technology, Atlanta, USA, Visiting Professor, 9 months
 1995 Université des Sciences et Technologies de Lille, France, 1 month
 1993 Universidad Nacional Autónoma de México, Mexico City, 1 month
 1990 Universidad de Sevilla, Spain, 2 months
 1983–1985 Federal University of Technology, Makurdi, Nigeria, Visiting professor, 2 years
 1982 Banach Center, Warsaw, Poland, 1 month
 1980 INCREST, Bucharest, Rumania, 1 month
 1979 INCREST, Bucharest, Rumania, 1 month
 1977 Banach Center, Warsaw, Poland, 3 months

- **FELLOWSHIPS AND AWARDS**

- 2013 Béla Szökefalvi-Nagy Medal awarded by the Bolyai Institute, Szeged, Hungary
 1991–1992 Universität des Saarlandes, Saarbrücken, Germany, Alexander von Humboldt fellowship, 16 months
 1989 Universidad de Sevilla, Spain, 9 months fellowship awarded by the Spanish Ministry of Education
 1981 Prize for young researchers awarded by the Czechoslovak Academy of Sciences

- **SUPERVISION OF GRADUATE STUDENTS**

- 2013, 1996 Two Ph.D. students (J. Vršovský, V. Kordula) completed, Faculty of Mathematics and Physics, Charles University, Prague, Czech Republic
 1990 One Ph.D. student (A. Fernandez Carrion) completed, Universidad de Sevilla, Spain

- **INSTITUTIONAL RESPONSIBILITIES**

- Since 2013 Committee for Scientific Degree DSc. awarded by the Czech Academy of Sciences, Chair of the section Mathematical Analysis and Related Fields
 Since 2011 Member of the Board of the Institute of Mathematics, Czech Academy of Sciences, Prague
 Since 2010 Member of Doctoral Studies Board (section Mathematical Analysis) at Charles University in Prague, Czech Republic
 2004–2008 Member of the Recruiting and Evaluation Committee in the Institute of Mathematics, Czech Academy of Sciences, Prague
 Since 2007 Member of the Academic Council of the Mathematical Institute, Silesian University in Opava, Czech Republic
 Since 2000 Organizer of the internal Seminar on Functional Analysis, Institute of Mathematics of the Czech Academy of Sciences
 Since 1992 Head of Department of Topology and Functional Analysis, Institute of Mathematics of the Czech Academy of Sciences

- **COMMISSIONS OF TRUST**

- Since 2013 Member of the Mathematics Panel P201, Czech Science Foundation (GAČR)
 2008, 2004 appointed Reviewer of habilitation theses for University of Lille, France (two reviews), Charles University in Prague, Czech Republic (one review)
 2006–2014 Chair of the Committee for Mathematics and Physics, Grant Agency of the Academy of Sciences of the Czech Republic (GAÁV)
 2006, 2004 Member of the Scientific Committee of the SWOT: Small Workshop on Operator Theory, Krakow, Poland
 2003–2006 Member of the Mathematics Panel P201, Czech Science Foundation (GAČR)
 2002–2014 appointed Reviewer of 12 Ph.D. theses in total for University of Lille, University of Bordeaux (France), University of Melbourne (Australia), Technische Universität Berlin (Germany), Trinity College in Dublin (Ireland), Ss. Cyril and Methodius University in Skopje (Macedonia), Silesian University in Opava, Charles University in Prague (Czech Republic)
 2002–2003 Chair of the Advisory Committee for Physical Sciences, Czech Science Foundation (GAČR)
 2001–2002 Chair of the Mathematics Panel P201, Czech Science Foundation (GAČR)
 Since 1997 Member of the Programme Committee of the Workshop on Functional Analysis and its Applications in Mathematical Physics and Optimal Control (organized every 2 years)

- **TEACHING**

- 2012 Universidad Nacional Autónoma de México, México City, graduate course "Orbitas de Operadores"
- 1995–1996 Georgia Institute of Technology, Atlanta, USA
- 1983–1985 Federal University of Technology, Makurdi, Nigeria
- 1974–1975 Czech Technical University, Prague, Czech Republic

- **PUBLICATION RECORDS**

150 articles recorded in Mathematical Reviews, 1 monograph (Birkhäuser Verlag, 2007), 622 citations (without self-citations, source: WOS), h-index 13.

- **TOP 10 RESEARCH ARTICLES**

- [1] E. Kopecká, V. Müller, A product of three projections, *Studia Mathematica* 223 (2014), no. 2, 175–186
- [2] C. Badea, S. Grivaux, V. Müller, The rate of convergence in the method of alternating projections, *Algebra i Analiz* 23 (2011), 1–30; translation in *St. Petersburg Mathematical Journal* 23 (2012), 413–434
- [3] J. Bračič, V. Müller, Local spectrum and local spectral radius of an operator at a fixed vector, *Studia Mathematica* 194 (2009), no. 2, 155–162
- [4] V. Müller, J. Vršovský, On orbit-reflexive operators, *Journal of the London Mathematical Society* 79 (2009), 497–510
- [5] V. Müller, Yu. Tomilov, Quasimilarity of power bounded operators and Blum-Hanson property, *Journal of Functional Analysis* 246 (2007), 385–300
- [6] A. Conejero, V. Müller, A. Peris, Hypercyclic behaviour of operators in a hypercyclic C_0 -semigroup, *Journal of Functional Analysis* 244 (2007), 342–348
- [7] V. Müller, M. Ptak, Hyperreflexivity of finite-dimensional subspaces, *Journal of Functional Analysis* 218 (2005), 395–408
- [8] V. Müller, Power bounded operators and supercyclic vectors II. *Proceedings of the American Mathematical Society* 133 (2005), 2997–3004
- [9] F. León-Saavedra, V. Müller, Rotations of hypercyclic and supercyclic vectors, *Integral Equations Operator Theory* 50 (2004), 385–391
- [10] C. Ambrozie, V. Müller, Invariant subspaces for polynomially bounded operators, *Journal of Functional Analysis* 213 (2004), 321–345

- **RESEARCH MONOGRAPHS AND CHAPTERS IN COLLECTIVE VOLUMES**

- [1] V. Müller, Taylor functional calculus, *Handbook of Multivariable Operator Theory*, Springer Verlag, to appear
- [2] C. Ambrozie, V. Müller, Commutative dilation theory, *Handbook of Multivariable Operator Theory*, Springer Verlag, to appear
- [3] V. Müller, Spectral theory of linear operators and spectral systems in Banach algebras, 2nd extended edition, *Operator Theory: Advances and Applications*, Vol. 139, Birkhäuser Verlag, Basel-Boston-Berlin, 439 pages, 2007

• **SELECTED INVITED PRESENTATIONS AT INTERNATIONAL CONFERENCES**

During the last 10 years I have delivered 47 invited and plenary lectures at international workshops and conferences. Below I present the selected ones.

- 2014 International Workshop on Operator Theory, Belfast
 4th Small Workshop on Operator Theory, Krakow, Poland
 25th International Conference on Operator Theory, Timisoara, Romania
 7th Linear Algebra Workshop, Ljubljana, Slovenia
- 2013 Sz.-Nagy Centennial Conference, Szeged, Hungary
 Operators on Banach Spaces, Castro Urdiales, Spain
- 2012 Operator Theory and applications, Oujda, Morocco
 The 2012 Haifa Matrix Theory Conference, Haifa, Israel
 North Britain Functional Analysis Seminar, Newcastle, Great Britain
 WOTCA-2012, Lisboa, Portugal
 24th International Conference on Operator Theory, Timisoara, Romania
 Operator Theory and Operator Algebras, Shanghai, China
- 2011 ICRAMSA, Kolkata, India
 6th Linear Algebra Workshop, Kranjska Gora, Slovenia
 Ergodic Theorems, Group Actions and Applications, Eilat, Israel
 Asymptotics of operator semigroups, Luminy, France
- 2010 Noncommutative Structure in Operator Theory and its Application, RIMS, Kyoto, Japan
 Multivariate Operator Theory, Banff International Research Station, Canada
 21st International Workshop on Operator Theory and its Applications (IWOTA 2010), Berlin, Germany
 International Functional Analysis Meeting in Valencia on the Occasion of the 80th Birthday of Professor Manuel Valdivia, Spain
 Operator Theory and Related Topics, Lille, France
 23th International Conference on Operator Theory, Timisoara, Romania
- 2009 First Meeting on Asymptotics of Operator Semigroups, Oxford, Great Britain
 International Conference on Operator Theory ICOT, Sousse, Tunisia
 Banach Algebras 09, Bedlewo, Poland
 Functional Analysis and its Applications, Nis, Serbia
 Hypercyclicity and chaos for linear operators, Valencia, Spain
 Spectral theory of operators and applications, Centre International de Rencontres Mathematiques (CIRM), Marseille-Luminy, France
- 2008 10th Korean Operator Theory and Applications Conference (KOTAC), Seoul, South Korea
 2nd International Conference on Linear Preservers and Operator Theory (COLPOT), Meknes, Morocco
 Journées d'Analyse Fonctionnelle et Harmonique, Lille, France
 22th International Conference on Operator Theory, Timisoara, Romania
 5th Linear Algebra Workshop 08 (LAW08), Kranjska Gora, Slovenia
- 2006 21th International Conference on Operator Theory, Timisoara, Romania
- 2005 Belfast Functional Analysis Day, Belfast, Northern Ireland
 Fejér–Riesz Conference, Eger, Hungary
 4th Linear Algebra Workshop 05, Bled, Slovenia
 Banach algebras 05, Bordeaux, France

- **EDITORIAL BOARDS**

Present Editorial Board member for journals: Annals of Functional Analysis (since 2010), Archivum Mathematicum (since 2009), Bulletin of Mathematical Analysis and Applications (since 2009), Commentationes Mathematicae Universitatis Carolinae (since 2008), Filomat (since 2007), Functional Analysis, Approximation and Computation (since 2008), Mathematica Bohemica (since 2008), Mathematica Slovaca (since 2002)

- **MEMBERSHIPS OF SCIENTIFIC SOCIETIES**

Since 2006 Member of the Czech National Committee for Mathematics (CCM) that represents the membership of the Czech Republic in the International Mathematical Union (IMU)

Since 1974 Member of the Union of Czech Mathematicians and Physicists

- **GRANTS** (last ten years record only)

Leader of 3 projects awarded by the Czech Sciences Foundation, total budget about 207000 Euro

Leader of 2 projects (MOBILITY programme, international cooperation) awarded by the Ministry of Education Youth and Sports of the Czech Republic

Member of one project founded by the Grant Agency of the Academy of Sciences of the Czech Republic