Olga V. Holtz

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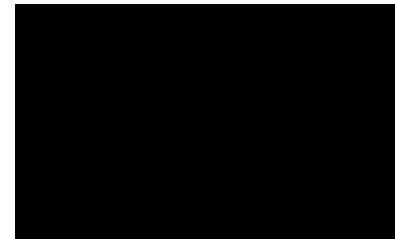
Education

2000	**Ph.D. in Mathematics**, *University of Wisconsin-Madison*, USA.
1995	**B.Sc. in Applied Mathematics**, *Chelyabinsk State Technical University*, Russia.

Employment

2010–now	**Full Professor**, *University of California-Berkeley*, Mathematics.
2009–now	**Professor (W3)**, *Technische Universität Berlin*, Institut für Mathematik.
2007–now	**Professor**, *Berlin Mathematical School*.
2007–2010	**Associate Professor**, *University of California-Berkeley*, Mathematics.
2004–2007	**Morrey Assistant Professor**, *University of California-Berkeley*, Mathematics.
2002–2004	**Research Fellow**, *Technische Universität Berlin*, Institut für Mathematik.
2000–2002	**Research Associate**, *University of Wisconsin-Madison*, Computer Sciences.

Visiting positions

2014, 2009-10	**Member**, *Institute for Advanced Study*, School of Mathematics.
2012–2013	**Research Professor**, *Mathematical Sciences Research Institute*.
2007–2009	**Guest Professor**, *Technische Universität Berlin*, Institut für Mathematik.

Selected honors and awards

2014, 2009	John von Neumann Fellowship (Institute for Advanced Study)
2012, 2000	SIAG/LA prize in Applied Linear Algebra (SIAM)
2008	European Mathematical Society Prize
2008–2013	Member of the Junge Akademie of Germany
2006	Sofja Kovalevskaja research prize (Alexander von Humboldt Foundation)
2002–2003	Humboldt research fellowship (Alexander von Humboldt Foundation)
2000	Liftoff award (Clay Mathematics Institute)
1999–2000	Alfred P. Sloan doctoral dissertation fellowship (Sloan Foundation)
1999	Elizabeth Hirschfelder fellowship (UW-Madison)
1996–1997	Presidential scholarship for study abroad (Russian ministry of higher education)

External grants

2013–2016	NSF grant (DMS Program in Combinatorics)
2010–2015	ERC Starting Grant, European Research Council (ERC)
2008–2011	Priority Programme Research grant, German Research Foundation (DFG)
2007–2011	Sofja Kovalevskaja Programme, German Ministry for Education and Research
	Total funding up to date: Euro 2.5 mil + USD 262 k.

Research interests

Classical analysis, numerical analysis, matrix and operator theory, approximation theory, wavelets and splines, compressive sensing, orthogonal polynomials and special functions, commutative algebra, combinatorics, analysis of algorithms, computational complexity.

Selected invited talks

2011	Foundations of Computational Mahematics, Budapest (plenary talk)
2010	Joint Mathematics Meetings, San Francisco (AMS invited address)
2008	European Congress of Mathematicians, Amsterdam (EMS prize lecture)

Invited seminar & colloquium talks

since 2005   AIM, Berlin Mathematical School, Dagstuhl Research Center, IAS, Indiana University, Isaac Newton Institute, Massey University, Microsoft Research Theory Group, MIT, NYU, Oberwolfach Mathematics Institute, Ohio State University, San Jose State University, San Francisco State University, Stanford University, Technion, Tel Aviv University, University of Auckland, University of California San Diego, University of Cambridge, University of Hawaii, University of Rome La Sapienza, University of Washington-Seattle, Vrije Universiteit Amsterdam, Weizmann Institute of Science, Zürich Colloquium in Mathematics.

Conferences organized

AIM, 2011	**Workshop**, *Stability, hyperbolicity, and zero localization of functions.*
FoCM 2011	**Workshop**, *Numerical linear algebra.*
IWOTA 2010	**Session**, *Structured matrices, total positivity and problems of function theory.*
JMM 2010	**Sessions**, *Zonotopal algebra and applications, Algebraic methods in signal processing.*
FoCM 2008	**Workshop**, *Numerical linear algebra.*
ICIAM 2007	**Minisymposia**, *Structured matrix algorithms: complexity and stability, new methods.*

Editorial services

2014–now	**Editor-in-Chief**, *Research in Mathematical Sciences.*
2007–2012	**Associate editor**, *IMA Journal on Numerical Analysis.*
2005–2008	**Associate editor**, *Linear Algebra and its Applications.*

Students

current	**Jacob Scott, Shuchao Bi**, *University of California Berkeley*, Ph.D.
current	**Sarah Brodsky**, *Berlin Mathematical School*, Ph.D.
current	**Alex Dyachenko**, *Technische Universität Berlin*, Ph.D.
2012	**Matthias Lenz**, *Berlin Mathematical School & Technische Universität Berlin*, Ph.D.
2012	**Felipe Rincón**, *University of California Berkeley*, Ph.D.
2009	**Mikhail Tyaglov**, *Technische Universität Berlin*, Ph.D.
2009	**Nenad Moraca**, *Technische Universität Berlin*, M.S.

Postdocs

current	**Olga Kushel, Galina Yuferova**, *Technische Universität Berlin.*
2009–2013	**Maxim Derevyagin**, *Technische Universität Berlin.*
2009–2012	**Mikhail Tyaglov**, *Technische Universität Berlin.*
2010–2011	**Luca Moci**, *Technische Universität Berlin.*
2008–2011	**Sadegh Jokar**, *Technische Universität Berlin.*
2008–2010	**Oded Schwartz**, *Technische Universität Berlin.*
2007–2008	**Anders Jensen, Zhiqiang Xu**, *Technische Universität Berlin.*

Humboldt Fellows

2012–2014	**Michal Wojtylak**, *Technische Universität Berlin.*
2008–2011	**Diego Dominici**, *Technische Universität Berlin.*