

# Curriculum Vitae

**Manfred Leopold Einsiedler**

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Born: March 6<sup>th</sup>, 1973  
Citizenship: Austria

## Education

- June 1992 Final exams, HBLVA für Gartenbau, Wien Schönbrunn
- May 1996 Master degree in mathematics at the Universität Wien  
Supervisor: Prof. Klaus Schmidt
- Feb. 1999 Ph. D. in mathematics at the Universität Wien  
Thesis title: *Problems in higher dimensional dynamics*  
Advisor: Prof. Klaus Schmidt
- May 2001 Habilitation at the Universität Wien  
*Algebraic methods in higher dimensional dynamics*

## Grants, Prizes

- 1996 Würdungspreis, awarded by the Bundesministerium für Unterricht und Forschung (part of the Austrian government)
- 2001 Erwin Schrödinger Stipendium to visit the Penn State University during 2001/02, awarded by the Austrian science council FWF
- 2004 NSF three year individual grant awarded
- 2004 Förderungspreis awarded by the Austrian Mathematical Society ÖMG
- 2005 Clay Research Scholar for 6 months at the Princeton University, awarded by the Clay Mathematics Institute
- 2006 Focused Research Grant awarded by the NSF, co-PI with E. Lindenstrauss, W. Luo, P. Sarnak, and A. Venkatesh
- 2009 SNF-project "Effective equidistribution on homogeneous spaces"

### Experience prior to PhD

- July 1994 – Dec. 1995 Studienassistent at the Institut für Mathematik, Universität Wien
- Oct. 1996 – Aug. 1999 Vertragsassistent (tenure track) at the Institut für Mathematik, Universität Wien
- Sept. 1998 – Aug. 1999 Forschungsassistent in Vienna working on the FWF project “*The structure of multi-dimensional shifts of finite type*”

### Experience after PhD

- Sept. 1999 – Aug. 2000 Post doc at the University of East Anglia, Norwich UK working on the EPSRC project “*Practical and theoretical aspects of elliptic divisibility sequences*”
- Sept. 2000 – Aug. 2001 Vertragsassistent/A.O.Professor (tenure) at the Institut für Mathematik, Universität Wien
- Sept. 2000 – Aug. 2001 Forschungsassistent in Vienna working on the FWF project “*Cohomological methods in probability theory*”
- Sept. 2001 – Aug. 2002 Erwin Schrödinger Stipendium at the Penn State University in State College, PA awarded by the Austrian science fund FWF for the project “*Rigidity for higher rank Abelian actions*”
- Sept. 2002 – Aug. 2004 Acting Assistant Professor at the University of Washington, Seattle WA
- August 2003 Researcher at the Penn State University, State College PA.
- Sept. 2004 – June 2005 Visiting Associate Professor at the Princeton University, Princeton NJ
- Sept. 2001 – June 2005 A.O.Professor (tenure) at the Institut für Mathematik, Universität Wien, on leave.
- June 2005 Professor invité at the Université Lyon 1, Lyon FR.
- July 2005 – Dec. 2005 Clay Research Scholar at the Princeton University, Princeton NJ
- Jan. 2006 – Sept. 2008 Associate Professor at The Ohio State University,
- Oct. 2008 – June 2009 Full Professor at The Ohio State University, Columbus OH.
- July 2009 – Full Professor at the Eidgenössische Technische Hochschule, Zürich, Switzerland.

## Conference Talks

- LMS Meeting Ergodic theory and Set Theory, London UK, Sept. 1999.
- Ergodic Theory of  $\mathbb{Z}^d$ -Actions, Warwick UK, April 2000.
- Northwest Dynamics Symposium, Victoria BC, May 2000.
- MEGA 2000 Conference, Bath UK, June 2000.
- CIRM Meeting, Luminy F, February 2001.
- AMS Sectional Meeting, Williamstown MA, October 2001.
- Maryland - Penn State Workshop, Maryland MD, March 2002.
- Advances in Rigidity Theory, ETH Zürich CH, June 2002.
- Ergodic Theory with Connections to Number Theory, Corvallis OR, July 2003.
- AMS National Meeting, Phoenix AZ, January 2004.
- Maryland - Penn State Workshop, Maryland MD, March 2004.
- Emerging Applications of Measure Rigidity (lecture series),  
AIM Palo Alto CA, June 2004.
- Algebraic and Topological Dynamics, Max Planck Institut, Bonn D, July 2004.
- Conference on Recent Progress in Dynamics, MSRI Berkeley CA, Sept. 2004.
- Maryland - Penn State Workshop, State College PA, October 2004.
- Maryland - Penn State Workshop, Maryland MD, March 2005.
- Workshop on  $p$ -adic Dynamics, Wesleyan University, Middletown CT,  
May 2005.
- ÖMG-Kongress, Klagenfurt A, September 2005.
- Bloomington Geometry Workshop, Indiana University, Bloomington IN,  
April 2006.
- Workshop on Effective Equidistribution, Bristol University,  
Bristol UK, July 2006.
- Midwest Dynamical Systems Conference, IUPUI, Indianapolis IN, Oct. 2006
- AMS Sectional Meetings, University of Cincinnati, OH, Oct. 2006
- Ergodic theory on homogeneous spaces, Technion University,  
Haifa Israel, Dec. 2006
- Dynamics of Lie group actions on parameter spaces, Ben Gurion University,  
Sde Boker Israel, Jan. 2007
- Clay 07 Summer School on Homogeneous Flows, Moduli Spaces and Arithmetic,  
(lecture series) Pisa Italy, June/July 2007
- Summer School on Dynamical Systems and Number Theory (lecture series),  
Graz Austria, July 2007
- Applications of measurable and smooth dynamical systems to number theory,  
Chicago IL, October 2007

### Conference Talks (continued)

- Measures and Dynamics on groups and homogeneous spaces,  
Mumbai India, December 2007
- Number theory days, ETH Zürich, Zürich CH, April 2008
- Equidistribution on homogeneous spaces, Columbus OH, June 2008
- Fifth European Congress of Mathematics, Amsterdam NL, July 2008
- Midwest Dynamical Systems Conference, Bloomington IN, October 2008
- Dynamical Systems & Related Topics Workshop, State College PA, Oct. 2008
- Discrete Rigidity Phenomena in Additive Combinatorics,  
MSRI Berkeley CA, November 2008
- Winter school on Quantum Chaos (lecture series), Bordeaux France, Jan. 2009
- More examples of groups, Columbus OH, May 2009
- Equidistribution on homogeneous spaces (lecture series),  
Oberwolfach seminar, Germany, June 2009
- Journées Arithmétiques, St. Etienne, France, July 2009
- Dynamical Numbers: Interplay between Dynamical Systems and  
Number Theory, Bonn Germany, July 2009
- ÖMG/DMV-Kongress, Graz Austria, September 2009
- The Diverse Faces of Arithmetic, Norwich England, December 2009
- Paderborn workshop on non-archimedean analysis,  
Paderborn Germany, February 2010
- Workshop on Ergodic theory, KTH Stockholm Sweden, February 2010
- Arizona Winter School 2010: Number theory and Dynamics,  
Tucson AZ, March 2010
- A Workshop on Infinite Ergodic Theory and Related Fields, Weizmann Institute of science  
Rehovot Israel, June 2010
- Analytic questions in Arithmetic – a summer school, Tata Institute,  
Mumbai India, July 2010
- Invited Sectional talk, International Conference of Mathematicians,  
Hyderabad India, August 2010
- Density of Rational and Integral Points, Ein Gedi Israel, January 2011
- Group Actions in Number Theory: Ergodic and Analytic Methods,  
Centre Interfacultaire Bernoulli, EPFL Lausanne, January & June 2011
- EPSRC Symposium Workshop on Ergodic Theory and Number Theory,  
Warwick Mathematics Institute, April 2011
- Ergodic Geometry, University Paris-Sud 11, Orsay France, May 2011
- Modern Dynamics and its Interaction with Analysis, Geometry and  
Number theory, Banach Center, Bedlewo Poland, July 2011

## Talks

- Seminar, UEA, Norwich UK, October 1997.
- Mathematisches Kolloquium, Institut für Mathematik, Vienna A, March 1999.
- Dynamics Seminar, Erwin Schrödinger Institute, Vienna A, March 1999.
- Ergodic th. and dynam. systems seminar, Univ. of Warwick, UK, Nov. 1999.
- Seminar, University of Manchester, UK, November 1999.
- Pure Mathematics Research Seminar, UEA, Norwich UK, February 2000.
- Rainwater Seminar, University of Washington, Seattle WA, April 2000.
- Dynamics Seminar, Erwin Schrödinger Institute, Vienna A, November 2000.
- Habilitationsvortrag, Institut für Mathematik, Vienna A, May 2001
- Dynamical Systems Seminar, PSU, State College PA, October 2001
- Colloquium, Tufts University, Boston MA, April 2002
- Math Department Colloquia, DePaul University, Chicago IL, April 2002
- Mathematisches Kolloquium, Institut für Mathematik, Vienna A, June 2002
- Seminar, Columbus University, Columbus OH, July 2002
- Analysis seminar, Stanford University, Palo Alto CA, September 2002
- Rainwater Seminar, Univ. of WA, several talks: Oct. 2002 – May 2003.
- Analysis seminar, Stanford University, Palo Alto CA, April 2003
- Geometry and Topology Seminar, Caltech, Pasadena CA, Nov. 2003
- Rainwater Seminar, Univ. of WA, Nov. 2003 and March 2004.
- Colloquium, University of Washington, Seattle WA, January 2004
- Current Problems in Mathematics, Univ. of Washington, Feb. 2004
- Seminar, University of Victoria, Victoria BC, April 2004
- Lie group theory seminar, Graduate Center, New York NY, May 2004
- Mathematisches Kolloquium, Institut für Mathematik, Vienna, June 2004
- Geometry, Representation Theory, and Moduli Seminar, Princeton University, Princeton NJ, Nov. 2004
- Québec-Vermont Number theory seminar, Concordia University, Montreal QC, Nov. 2004
- Analysis Seminar, McGill University, Montreal QC, Nov. 2004.
- Recruitment Talk, Ohio State University, Columbus OH, Jan. 2005
- Brandeis-Harvard-MIT-Northeastern Colloquium, Brandeis University, Boston MA, Jan. 2005
- Fellowship of the Ring, Brandeis University, Boston MA, Jan. 2005
- Group Actions: Dynamics, Geometry, Invariants, Yale University, New Haven CT, Feb. 2005
- Ergodic Theory and Statistical Mechanics Seminar, Princeton University, Princeton NJ, March 2005

## Talks (continued)

Center for Dynamics and Geometry Seminar, Penn State University,  
State College PA, March 2005

Geometry seminar, Université Montpellier II, Montpellier FR, June 2005

Séminaire d'Algèbre et Théorie des Représentations, Université Lyon 1,  
Lyon FR, June 2005

Arithmetic Homogeneous Spaces, IAS, Princeton NJ, Dec. 2005

Lefschetz Colloquium, Ohio State University, Columbus, OH, Feb. 2006.

Invitation to Research, Ohio State University, Columbus OH, April 2006.

Ergodic theory and Probability seminar, Columbus OH, April 2006

Dynamics Seminar, Hebrew University, Jerusalem Israel, June 2006

The Jerusalem Mathematics Colloquium, Hebrew University,  
Jerusalem Israel, June 2006

Algebra and Geometry Seminar, Ben Gurion University,  
Beer Sheva Israel, June 2006

Dynamical Systems Seminar, Northwestern University,  
Evanston IL, October 2006

Colloquium, The University of Texas at Austin, Austin TX, Feb. 2007

Mathematical Physics, UTexas at Austin, Austin TX, Feb. 2007

Xtreme Geometry Seminar, Brown University, Providence RI, March 2007

Colloquium, Princeton University, Princeton NJ, April 2007

Geometry/Topology Seminar, University of Chicago, Chicago IL, June 2007

Colloquium, Yale University, New Haven CT, February 2008

Center for Dynamics and Geometry Colloquium and Seminar,  
Penn State University, State College PA, March 2008

Colloquium, The Ohio State University, Columbus OH, March 2008

Colloquium, Rice University, Houston TX, March 2008

Geometry Seminar, University of Michigan, Ann Arbor MI, March 2008

Oberseminar Differentialgeometrie, Universität Bonn, Deutschland, July 2008

Kolloquium, Universität Bonn, Deutschland, July 2008

University Chicago Dynamics Seminar, Chicago IL, May 2009

Number theory seminar, ETH Zürich, Switzerland, October 2009

Kolloquium, Universität Paderborn, Deutschland, October 2009

Kolloquium, Universität Wien, Austria, December 2009

Kolloquium, Universität Bern, Switzerland, March 2010

Kolloquium, Universität Tübingen, Germany, June 2010

Les colloques du mardi, Université de Neuchâtel, November 2010

**Talks (continued)**

Colloquium, University of Haifa, Israel, January 2011

Hebrew University Mathematics Department Colloquium (joint with  
Action Now wandering seminar), Jerusalem Israel, January 2011