

ERIC SCHIPPERS

CURRICULUM VITAE

Department of Mathematics
Machray Hall, University of Manitoba
Winnipeg, MB R3T 2N2
office: (204) 474-6926
eric.schippers@umanitoba.ca

Education

Ph.D. June 1999, Mathematics, University of Toronto
M.Sc. August 1994, Mathematics, University of Toronto
B.Sc. June 1993, Mathematics and Physics, University of Toronto

Positions

Professor, April 2015 - present, University of Manitoba.
Associate Professor (tenured March 2010), April 2008 - March 2015, University of Manitoba
Assistant Professor (tenure-track), July 2004 - March 2008, University of Manitoba
Assistant Professor (non tenure-track), July 2000 - December 2002 and July 2003 - June 2004, University of Michigan
Visiting Scholar (funded by DAAD), March 2003 - May 2003, University of Würzburg, Germany
Postdoctoral Fellow, September 1999 - June 2000, University of Toronto

Talks (since 2002; invited talks are marked with *)

**upcoming*: Conference on Trends in Contemporary Complex Analysis, University of Cincinnati, Cincinnati, OH, May 2015.
* Rutgers University Quantum mathematics/Lie groups seminar, April 2014.
* AMS Sectional Meeting, special session on Complex Function Theory and Special Functions, Texas Tech University, Lubbock, TX, April 2014.
*Workshop on infinite-dimensional geometry, MSRI (Mathematical Sciences Research Institute), Berkeley, December 2013.
*McGill University analysis seminar, February 2013.
CMS winter meeting, special session on complex analysis and operator theory, Montreal, QC. December 2012.
*University of Western Ontario, Colloquium. London, ON. November 2012.
CMS summer meeting, special session on complex geometry and related fields, Regina SK. June 2012. (Note: I was an organizer).
*Uppsala Universitet analysis seminar, Uppsala, Sweden. April 2012.
*HCAA 2012, (Harmonic and Complex Analysis and its Applications), Tenerife, Spain, March 2012.
*Ahlfors-Bers colloquium (triennial conference), Rice University, TX, March 2011.
*American University of Sharjah, Colloquium, Sharjah, UAE, February 2011.
*Second Bavaria-Quebec Mathematical Meeting, Würzburg, Germany, November 2010.
*Conference on Surfaces and Representations, Université de Sherbrooke, October 2010.

*Rutgers University, Quantum Mathematics Seminar, August 2010.

ESF Mathematics Conference, Teichmüller Theory and its Interactions in Mathematics and Physics, Centre de Recerca Matemàtica, Bellaterra, Spain, June 2010.

Meeting of the Prairie Network for Research in the Mathematical Sciences, Student Workshop, Winnipeg, May 2010. (Note: I was an organizer).

Winter Mathematics Workshop (previously Delta Marsh Undergraduate Workshop), March 2010. (Note: I was an organizer).

*CMS Winter Meeting, Session on Complex Analysis, December 2009.

*AMS Special Session on Contemporary Complex and Special Function Theory, Baylor University, Waco, TX, October 2009.

University of Turku, Turku, Finland, International Conference on Complex Analysis and Related Topics, The 12th Romanian-Finnish Seminar. August 2009.

Bilkent University, Ankara, Turkey, CMFT 2009 (Computational Methods and Function Theory), June 2009.

*University of Würzburg, Würzburg, Germany, Complex Analysis Oberseminar, June 2009.

*University of Saskatchewan, Saskatoon, SK, Meeting of the Prairie Network for Research in Mathematical Science, April 2009.

*Delta Marsh Undergraduate Workshop, Delta Marsh Field Station, MB, March 2009.

*University of Toronto, Toronto, ON, Complex Analysis Seminar, November 2007.

*Texas Tech University, Lubbock, TX, Workshop on Complex Analysis and Special Functions, November 2007.

University of Bristol, Bristol, UK, Workshop on Hyperbolic Geometry and Complex Analysis, September 2007.

*University of Regina, Regina, SK, First Annual Meeting of the Prairie Network for Research in Mathematical Science, May 2007.

*University of Western Ontario, London, ON, Analysis seminar, March 2006.

*Hiroshima University, Hiroshima, Japan, Complex Analysis seminar, February 2006.

*University of Chicago, Chicago, IL, Dynamics and Global Analysis seminar, January 2006.

*AMS special session on Theory of Infinite-Dimensional Lie Algebras, Vertex Operator Algebras, and Related Topics, eastern sectional meeting at Bard College, Annandale-on-Hudson, NY, October 2005.

CMFT 2005 (Computational methods and function theory), University of Joensuu, Finland, June 2005

*University of Chicago, Chicago, IL, Calderon-Zygmund seminar, April 2005.

*University of Chicago, Chicago, IL, Geometry-Topology seminar, April 2005

*AMS Section Meeting in Lubbock, TX, Special Session on Recent Advances in Complex Function Theory, April 2005

*Oberwolfach Workshop on Funktionentheorie, February 2004.

AMS Special Session on Modern Function Theory, National Meeting in Phoenix, AZ, January 2004.

*University of Illinois at Urbana-Champaign, Urbana, IL Complex Analysis seminar, December 2003.

*University of Toronto, Toronto, ON, Complex Analysis seminar, November 2003.

*University of Cincinnati, Cincinnati, OH, Colloquium, October 2003.

*University of Cincinnati, Cincinnati, OH, Complex Analysis seminar, October 2003.

Future Trends in Geometric Function Theory, a workshop following the Nevanlinna Colloquium, University of Jyväskylä, Finland, June 2003

Conference on the Mathematical Work of H. Grötzsch, Martin Luther University of Halle-Wittenberg, Germany, May 2002

AMS Special Session on Topics in Geometric Function Theory, Ann Arbor sectional meeting, March 2002

Conferences and Workshops Organized

Research Conferences and Workshops

Research in Teams at Banff International Research Station, “Moduli Spaces in Conformal Field Theory and Teichmüller Theory” with Y.-Z. Huang, D. Radnell and W. Staubach, August 2012.

Organized special session (with Tatyana Foth) “Complex Geometry and Related Fields” for CMS June 2012 joint summer meeting in Regina.

Research in Teams at Banff International Research Station, “Symmetries of extremal conformal mappings” with O. Roth, August 2005.

Organized special session (with Ian Graham) “Complex Function Theory” for CMS-MITACS June 2007 joint meeting in Winnipeg.

Service Conferences and Workshops

Prairie Meeting Student Workshop 2010, Winnipeg. (with Anna Stokke)

Delta Marsh Winter Mathematics Workshop 2010, Winnipeg. (with Gábor Lukács).

Student Supervision

Graduate Student Supervision

Bryan Penfound, MSc, 2010. Thesis title: “A Study of the Geometric and Algebraic Sewing Operations”.

Hye-Seon Kim, MSc, 2011. Thesis title: “Unique Determination of Quadratic Differentials by their Admissible Functions”.

Akhtariev, Mykhailo, MSc, ongoing.

Undergraduate Research Supervision

Marcin Rak, NSERC USRA. Summer 2006.

Garett Klus, NSERC USRA. Summer 2007.

Michael Greenhalgh, NSERC USRA. Summer 2007.

Trevor Rempel, NSERC USRA. Summer 2008.

Iain Smythe, NSERC USRA. Summer 2009.

Kevin Mather, Undergraduate Student Research Award (University of Manitoba award). Summer 2012.

Javier Hernandez-Melgar, funded part-time from grant. Summer 2012.

Krista Reimer, NSERC USRA. Summer 2013.

Publications with Students

Power matrices for Faber polynomials and conformal welding, with Bryan Penfound. *Complex Variables and Elliptic Equations*. 58 no 9 (2013) 1247–1259.

Conformal invariants associated with quadratic differentials, with Kevin Mather. In preparation. (title not finalized).

Major Grants

NSERC Discovery Grant, \$11,000 per year, April 2015 - March 2020.

NSERC Discovery Grant, \$20,000 per year, April 2010 - March 2015. March 2015.

NSERC Discovery Grant, \$8,000 per year for five years, April 2005 - March 2010.

University of Manitoba start-up grant, 2 years, 2004-2006.