

Biographical Sketch – [Kristin Lauter](#)

Academic Credentials:

Ph.D. Mathematics, University of Chicago, 1996

Ray class field constructions of curves over finite fields with many rational points

Advisor: Niels Nygaard

M.S. Mathematics, University of Chicago, 1991

B.A. Mathematics with honors, University of Chicago, 1990

Research Areas: Number Theory, Algebraic Geometry, Cryptography, Coding Theory

Professional Experience:

- Manager, Cryptography Group, Microsoft Research, 2008-
- Senior Researcher, Microsoft Research, Redmond, 2006—2008
- Researcher, Microsoft Research, Redmond, 2000-2006
- MSRI-Microsoft Research Postdoctoral Fellowship, 1999-2000
- Visiting Researcher, Institut de Mathematiques Luminy, France, 1999
- Visiting Scholar, Max Planck Institut für Mathematik, Bonn, Germany, 1997
- T. H. Hildebrandt Research Assistant Professor, University of Michigan, 1996-1999

Refereed Publications: 35

Fellowships and Honors:

- National Merit Scholar, 1986-1990
- Graves Memorial Lectureship Award, 1994
- AWM Mentoring Grant with Jean-Pierre Serre, College de France, May 1999
- Selfridge Prize in Computational Number Theory, May 2008

Editing

- *Topics in Algebraic Geometry, Proceedings of the Conferences in memory of Ruth Michler.* Contemporary Mathematics Series 324, AMS 2003.
- *Computational Arithmetic Geometry*, Editors: K. Lauter, K. Ribet, Contemporary Mathematics Series 463, AMS 2008.
- Editorial Board, International Journal of Information Theory and Coding
- Program committees: Crypto 2007, ICISC 2007, ANTS 2008, Pairings 2008, Crypto 2008, SAC 2008

Conference Organization:

- WIN: Women in Numbers, Banff International Research Station, 2008
- AMS Special Sessions 2008, 2006, 2000
- Pacific Northwest Number Theory Conference 2006, 2001
- IPAM Number Theory/Cryptography Conference 2006
- Grace Hopper Conference for Women in Computing 2006
- Annapolis Algebraic Geometry Conference 2001
- Arizona Winter School Short Course 2000