CURRICULUM VITAE FOR MALIN SIKLOSI

Full Name:

Malin Siklosi

Office Address:

Department of Numerical Analysis and Computer Science (NADA)
Royal Institute of Technology (KTH)
SE-100 44 Stockholm, Sweden
+46-8-790 71 87
Email: malins@nada.kth.se
Webpage: www.nada.kth.se/~malins

Date and Place of Birth:

February 10, 1975, Kungshamn, Sweden.

Family:

Married to Peter Siklosi. We have two children, Emma (2000) and
Martin (2002).

Education:

PhD student since July 1998. Expected to finish Sept. 2004.
Thesis subject: *Theoretical and numerical aspects of viscous
shocks*. Advisor: Prof. Gunilla Kreiss.

Licentiate's Degree in Numerical Analysis at NADA, KTH.
December 2001. Thesis: *Two Aspects of Viscous Shocks: Existence
of a Solution and Numerical Errors*. Advisor: Prof. Gunilla Kreiss.

Master of Science in Engineering Physics, KTH. June 1998.
Thesis: *Time Dependnt Shock Wave Solutions of Hyperbolic
Systems and Artificial Viscosity*. Advisor: Prof. Gunilla Kreiss.

Employment:

PhD position, NADA, KTH. Since July 1998.

Awards, Grants:

President's fellowship (excellenstjänst) awarded at KTH.

Publications:

1. G. Kreiss and M. Siklosi. Proving Existence of Solutions of Nonlinear
   Differential Equations Using Numerical Approximations. H. Freistühler
   and G. Warnecke, editors. *Hyperbolic Problems: Theory, Numerics and
   Applications Eight International Conference in Magdeburg
   February/March 2000.* Birkhäuser, 2001.

2. M. Siklosi. Two Aspects of Viscous Shocks: Existence of a Solution and
   Numerical Errors. *Licentiate's thesis*, Department of Numerical Analysis
   and Computer Science, Royal Institute of Technology, Stockholm,
   Sweden, 2001. ISBN 91-7283-217-7, TRITA-NA-0131.

3. M. Siklosi and G. Kreiss. Elimination of First Order Errors in Shock Calculations. In Cohen, Heikkola, Joly and Neittaanmäki, editors, *Mathematical and Numerical Aspects of Wave Propagation*, pages 688-693. Springer, 2003.

4. M. Siklosi and G. Kreiss. Elimination of First Order Errors in Shock Calculations. Accepted for publication in *SIAM Journal on Numerical Analysis* 2003.

Presentations at Conferences:

HYP 2000, Conference on Hyperbolic Problems, Magdeburg, Germany, February 28-March 3, 2000.

The 2000 Nordic Computational Differential Equations Circus, University of Bergen, Bergen, Norway, March 2000

The 2001 Nordic Computational Differential Equations Circus, Tampere University of Technology, Tampere, Finland, March 2001

ENUMATH 2001, Ischia, Italy, July 23-28, 2001.

Applied Mathematics in our Changing World, Berlin, Germany, September 2-6, 2001.

Mathematical Theory of Hyperbolic Systems of Conservation Laws, Cambridge, UK, March 24-28, 2003, (poster).

Waves 2003, The Sixth International Conference on Mathematical and Numerical Aspects of Wave Propagation, Jyväskylä, Finland, June 30-July 4, 2003.

Participation in Summer/Winter Schools:

Analysis of Systems of Conservation Laws, Kochel am See, Germany. May 16-22, 1999.

Theoretical and Computational Fluid Dynamics, Centro Internacional de Matemática, Coimbra, Portugal, July 12-17, 1999.

Winter School in Computational Mathematics: Level-set methods and numerical methods for nonlinear evolution PDEs 2003, Geilo, Norway. March 2-7, 2003.

Teaching:

Teaching assistant, several different undergraduate courses in numerical analysis at NADA, KTH, 1996-2000.

Additional Experience:

Participation in The Biomedicine Research School at Karolinska Institutet, Stockholm, June-August 1994.
Project: A semi-quantitative measurment of the CMV DNA levels in leucocytes from organ transplantation patients using PCR.
Advisor: Prof. Annik Ernst, Dept of Immunology, Microbiology, Pathology and Infectious Diseases, Karolinska Institutet.

Summerjob at the Dept of Immunology, Microbiology, Pathology and Infectious Diseases, Karolinska Institutet, June-July 1995.