Curriculum Vitae: Mohammad Asadzadeh
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Personal data

Born May 5, 1952, in Ardebil, Iran; Swedish and Iranian citizen.
Married since 1990, two kids born in 1991 (Sweden) and 1995 (USA).

Address

Department of Mathematical Sciences
Chalmers University of Technology
SE-412 96 Göteborg, Sweden
E-mail: `mohammad@chalmers.se`
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Professional preparation

B.Sc. in Mathematics, Kharazmi/Tarbiat Moallem University of Tehran, 1973.
Ph.D. in Mathematics, The University of Göteborg, Sweden, 1986.
Thesis: "Convergence analysis of some numerical methods for neutron transport and Vlasov equations", supervisor: Claes Johnson.

Professional experience

Department of Science and Education of Iran, Shoushtar:
- *Lecturer of Mathematics and Physics (high school/college), 1973-1975.*

National Industrial Education Center of Iran, Kashan University of Tech:
- *Lecturer of Mathematics (undergraduate engineering), 1975-1977.*

Chalmers University of Technology:
- *Assistant of Mathematics, 1978-1986.*
- *Assistant Professor, 1986-1995 (on leave 93-95 visiting UM)*

University of Michigan, Ann Arbor:
- *Visiting Assistant Professor of Mathematics, 1993-1995.*

Chalmers University of Technology:
- *Senior Lecturer of Mathematics, 1993-2001.*
- *Associate Professor of Mathematics (Docent), 2001–2011 (on leave 2007 visiting Cornell).*

Cornell University:
- *Visiting Professor of Mathematics, 2007.*

Chalmers University of Technology:
- *Professor of Applied Mathematics, 2012–present. Swedish: bitr. Prof.*

Awards

Riaazi Kermani award 2013: For the "best paper" in *The 43th Annual Iranian Mathematical Conference for academic year 2011-2012.*

Fellowship and research grants

Research scholar grant, 1984; University of Michigan, Ann Arbor, USA.

EU/INTAS research project grant, 2005-2006; "On Synthetic Optimal Control": *Computational Algorithms for Optimization Problems for Periodic Systems.* Coordinator for Azerbaijan, Sweden, Turkey and Ukraine.

JSPS (Japan's Society for the Promotion of Science) grant, 2009: *Numerical analysis of BGK equation.* Kyoto University, Aerospace engineering.

Raysearch grant 2011: *Finite elements for radiation oncology; Head scanning.*

Swedish Research Council (VR),

- Project: 2010-2013, *Numerical methods for neutron transport equation*
- Joint project: 2013-2017, *DREAM (Deterministic REActor Modelling).* with applied physics, mechanics and Fraunhofer Institutes at Chalmers.

Master students

I have supervised over a dozen of master thesis at Dept of Math, Chalmers.

Research students

Abdelouahab Kadem, PhD Applied Mathematics, 2006. (Chalmers)/Setif U Algeriet.
   Spectral methods for the neutron transport equation.

Hassan Almanasreh, PhD Applied Mathematics, 2012. GU/Chalmers.
   The Dirac Equation: Numerical and Asymptotic Analysis.

Ehsan Kazemi, PhD Applied Mathematics, 2015. (Chalmers)/Isfahan U of Tech
   The Streamline Diffusion and Discontinuous Galerkin Methods for Linearized Boltzmann Equation

John Bondestam Malmberg; PhD Applied Mathematics, 2017 (co-adviser). GU.
   Efficient Adaptive Algorithms for an Electromagnetic Coefficient Inverse Problem.

Christoffer Standar; PhD Applied Mathematics, 2017. Chalmers.
   On finite element schemes for Vlasov-Maxwell system and Shrödinger equation.

Current graduate student: Niklas Eriksson; Department of Mathematics, GU.

Postdoctoral students

Sebastian Gonzalez Pintor, Spain, 2013-2017.

Tobias Gebäck, Sweden, 2010-2012.

Laurent Thevenot, France, 2003.

Piotr Kowalczyk, Poland, 2002.

Alexandros Sopasakis, USA, 2000-2002.

Editorial
- Editorial board: Applied and Computational Mathematics, 2002-
- Associate editor: Bulletin of Iranian Mathematical Society, 2003-
- Editorial board: Computational Methods for Differential Equations, 2012-
- Editorial board: Iranian Journal of Science and Technology, 2016-

Administration
- Member of the Library board at Math department, Chalmers, 1982-2007.
- Vice chairman of Swedish University Teachers Association (SULF), Chalmers 1999-2012
- Board member of Swedish Academicians Organization (SACO), Chalmers 2005-
- Member of the coordinating board, mathematical sciences, Chalmers 2005-
- Member of Project NT5, QA; *Quality assurance of Master programs in 5 Nordic University of Technologies: Aalto (Helsinki), Chalmers (Göteborg), DTU (Copenhagen), KTH(Stockholm) and NTNU(Trondheim)*; 2009-2012.
- Member of the SAC (Swedish Alumni Club) of JSPS, 2015-
- Chairman of the Swedish University Teachers Association at Chalmers, 2018-

Books

M. Asadzadeh, Analys och linjär algebra, Studentlitteratur,
  Upplaga 1, 2004, pp. 399, ISBN: 91-44-03793-7.
  Upplaga 2, 2007, pp. 431, ISBN: 9789144005256.

M. Asadzadeh and K. Holmåker, Fourier Analysis and its Applications
  (in preparation).

M. Asadzadeh and R. Emanuelsson, Tabeller och Formuler (in preparation).

Lecture Notes

M. Asadzadeh, PDE Lecture Notes 2001-, ..., -2017 (electronic).

M. Asadzadeh, Lecture Notes in Fourier analysis 2008 (electronic).

M. Asadzadeh, An introduction to finite element methods for differential equations, 2006-,..., 2017 (Compendium).

M. Asadzadeh and R. Emanuelsson, Flervariabelanalys (available upon request).

Publications Info and details are given in the list of publications.

Languages known: English, Swedish, French, Persian, Azari.

Membership in Professional Organizations

AMS (American Mathematical Society).

SIAM (Society of Industrial and Applied Mathematics).

Swedish Mathematical Society.