

Matania Ben-Artzi  
Institute of Mathematics  
Hebrew University of Jerusalem  
Jerusalem 91904, Israel.

## Curriculum Vitae

Name : **Matania Ben-Artzi**

Date and Place of Birth : July 27, 1948, Israel.

Marital Status : Married, three children

### Academic Degrees

1964-1967 B.Sc., Mathematics-Physics, Hebrew University of Jerusalem.

1969-1971 M.Sc., Mathematics, Technion, Haifa.

1972-1976 Ph.D., Mathematics, Hebrew University of Jerusalem.  
Title of Thesis: "Spectral properties of symmetric linear  
differential operators with slowly decreasing coefficients"  
Advisor: Professor S. Agmon.

### Research Fellowships and Short-Term Invitations

1968-1977 Scientific Division, Ministry of Defense, Israel.

July 1974-January 1975 Mittag-Leffler Institute, Sweden.

Summers of 1980, 1981  
1987, 1988 and 1990 Lawrence Berkeley Laboratory and Dept. of Math.  
University of California at Berkeley.

July-August 1986	Instituto de Matematica Pura e Aplicada (IMPA), Rio de Janeiro, Brazil.
February 1989	School for Advanced Studies in Industrial and Applied Mathematics, Bari, Italy.
Spring Quarter 1989 and Fall Quarter 1990	Departments of Mathematics at Northwestern Univ. and University of Chicago.
Summer 1991	Dept.of Mathematics, California Inst.of Technology.
Fall Term 1993	School of Mathematics, Institute for Advanced Study, Princeton, USA.
Summer 1994	Lawrence Berkeley Laboratory and Dept.of Math. University of California, Berkeley.
Summer 1995	Dept. of Mathematics, University of Paris 6.
Feb.-July 1996	Centre de Mathematiques Appliquees, Ecole Polytechnique, Paris.
Summer 1997	Lawrence Berkeley Laboratory, Univ. of California, Berkeley.
April 1998	Dept. of Mathematics, University of Paris-Sud .
April 1999	Dept. of Mathematics, University of Reims,France .
September 1999	Dept. of Mathematics, University of Paris-Nord,France .
February 2000	Institut Elie Cartan, Nancy, France.
July 2000	Dept. of Mathematics, Univ. de Provence,Marseille,France.
March-June 2002	Centre de Mathematiques Appliquees, Ecole Polytechnique,Palaiseau, France.
July 2002	Dept. of Math. Universite Paris-Nord.
September-November 2002	Dept. of Math. University of California at Santa Cruz.
March 2004	Dept. of Math. Stanford University , California .
May 2004	Dept. of Math. University of Toulouse , France .
June 2004	Dept. of Math. University of Provence ,Marseille, France.
July 2004	Dept. of Math. University of Metz , France .
September 2004	Dept. of Math. University of Paris-Nord , France .
September 2005	Dept. of Math. Capital Normal University, Beijing, China.

May-June 2006	Dept. of Math. University of Provence ,Marseille, France.
July 2006	Dept. of Math. University of Metz , France .
April 2007	Dept. of Math., Indiana University, Bloomington, USA.
May-June 2007	Pacific Institute for the Mathematical Sciences, Univ. of British Columbia, Vancouver, Canada.
July 2008	Dept. of Math., University of Nice, France.
September 2008	Courant Insitute of Mathematical Sciences, New York, USA.
April 2009	Dept. of Math., University of Paris-Nord, France.
March-June 2012	IBM Visiting Professor Dept. of Applied Math., Brown University , Providence, USA.
August 2012	Newton Institute, University of Cambridge, England.
February-July 2014	Nelder Fellow Dept. of Math., Imperial College , London, England.
October-November 2016	Institute of Applied Physics and Computational Mathematics, Beijing, China.
October-November 2017	Institute of Applied Physics and Computational Mathematics, Beijing, China.
October-November 2018	Institute of Applied Physics and Computational Mathematics, Beijing, China.

## Academic Positions

1977-78	Assistant Professor, Northwestern Univ., Evanston, Illinois.
1978-79	Assistant Professor, Univ.of Minnesota, Minneapolis, Minnesota.
1980-84	Senior Lecturer, Technion-Israel Inst.of Technology, Haifa, Israel.
1984-85	Visiting Associate Professor, Department of Mathematics, University of California at Berkeley.
1985-86	Visiting Associate Professor, Department of Mathematics, UCLA.

- 1986-87 Associate Professor, Technion, Haifa, Israel.
- 1987-92 Associate Professor, Institute of Mathematics,  
Hebrew University of Jerusalem.
- 1992- Professor, Institute of Mathematics, Hebrew University.
- 2006-2008 Director, Landau Center of Mathematical Analysis, Hebrew University.

### Areas of Interest

- a) Partial Differential Equations:
  - 1) Spectral and Scattering Theory of Linear Operators.
  - 2) Nonlinear Parabolic Equations (Navier-Stokes, Hamilton-Jacobi).
  - 3) Nonlinear Hyperbolic Conservation Laws.
- b) Computational Fluid Dynamics.

### Research and Teaching Awards

- 1977-79 Fulbright-Hays Grant.
- 1978 U.S. NSF Grant MCS78-02030.
- 1982 Best Teacher Award, Technion.
- 1984 U.S. NSF Grant MCS82-00898.
- 1988 Mahler Prize in Mathematics.
- 2002-2007 SPECT-Spectral Theory and Partial Differential Equations  
(European Science Foundation).
- 2012 IBM Visiting Professor  
Dept. of Applied Math., Brown University , Providence, USA.
- 2014 Nelder Fellow  
Dept. of Math., Imperial College , London, England.