

CURRICULUM VITAE

of **Emilia FRIDMAN**

November 2008

EDUCATION:

- 1976-1981 M.Sc.in Mathematics, Kuibyshev University (USSR)
advisor prof.V.V.Strygin, title of thesis
"Asymptotic Approximation of Integral Manifolds
of Functional Differential Equations"
- 1982-1986 Ph.D.in Mathematics, Voroneg University (USSR)
advisor prof.V.V.Strygin, title of thesis
"Integral Manifolds of Singularly Perturbed
Neutral Type Systems and their applications"

B. ACADEMIC AND PROFESSIONAL EXPERIENCE

- 1981-1982 Kuibyshev Polytechnical Institute, Researcher
- 1982-1986 Ph.D.in Mathematics, Voronezg University (USSR)
- 1985-1989 Kuibyshev Institute of Railroad Engineers,
Department of Mathematics, Assistant Professor
- 1989-1992 Samara Institute of Railroad Engineers,
Department of Mathematics, Associate Professor
- 1993-1999 Tel Aviv University,
Department of Electrical Engineering and Systems,
Senior Researcher,
- 2000- 2001 Tel Aviv University,
Department of Electrical Engineering and Systems,
Principle Research Associate,
- 2002 - Tel Aviv University,
Department of Electrical Engineering and Systems,
Professor

TEACHING:

University level courses: "Mathematical Analysis", "Ordinary Differential Equations", "Linear Algebra", "Introduction to Linear Systems", "Optimal Control", "Introduction to Linear Modern Control".

C. SCIENTIFIC ACTIVITIES

1. **Associate Editor** of the following journals:

- IMA Journal of Mathematical Control & Information (2006 -);
- Automatica (2007 -).

2. **A guest editor** of the Special Issue on Time-Delay Systems in International J. of Robust and Nonlinear Control, 13, No.9, 2003.

3. **Member of International Programme Committee** of: IFAC Workshop on TDS, Leuven 2004; IEEE Mediterranean Conference on Control and Automation, Cyprus 2005; IFAC Conference on Systems and Control, Brasil 2007.

4. **Article reviewer** of the leading journals in the field and of BSF, ISF, NSF Grants.

5. **Visiting positions** (Invited Professor):

- Weierstrass Institute for Applied Analysis and Stochastics, Berlin (April 1996, July 1999);
- INRIA, Paris (September 1998, June 2001);
- Coventry University (August 2000);
- Ecole Centrale de Lille (July 2002; July 2003; June 2004; July 2005; July 2006; April 2008);
- CNRS, Compiègne (September 2003);
- Valenciennes University (July, 2007; May 2008);
- Leicester University (September, 2007);
- Kent University (August 2008).

6. **Invited Speaker** at Conferences:

- "Invariant Manifolds and Nonlinear Optimal Control Singularly Perturbed Problems". - In: Workshop on Singularly Perturbed Systems, September 1997, Berlin.
- "New Lyapunov-Krasovskii Functionals for Stability and Control of Linear Systems with Delay" - In: French Day on Delay Systems, June 2002, Paris.

- "Output Regulation of Nonlinear Systems with Delay" - In: Workshop on Time-Delay Systems, January 2003, Paris.
 - "Lyapunov Approach to Control of Singularly Perturbed Systems With Delay" - In: Workshop on Multiscale Systems, April 2003, Berlin.
7. **Seminar Lectures in** : Weierstrass Institute for Applied Analysis and Stochastics, Berlin, April 1996; INRIA, Paris, September 1998; Coventry University , August 2000; Tel Aviv University, Applied Mathematics, October 2001; Tel Aviv University (November 2001, January 2006); Weitzmann Institute, Math. Analysis and Application, January 2002; Ariel College, Seminar on Functional-Differential Equations (1993, 1998, 2001); Leuven Katholic University, Computer Science Seminar, June 2002; Duisburg University, Math. Dept., July 2002; London Imperial College, September 2008; Liverpool University, September 2008.