

An Autobiography

of Radostina Vasileva Petrova

1. Education:

- 1985-1990 Higher Institute of Architecture and Civil Engineering– Sofia, Bulgaria
Studied: Industrial and Civil Engineering – Structures, M Sc.
01.2003 Ph. D. Degree in Applied Mechanics

2. Postgraduate Courses and Professional Qualification:

06. 1999 Specialization on usage of Finite Element Method
11.1999 Course on a topic “Planning of a multi-parametric experiment”
03-06.2003 An ERNST MACH grant of Bundesministerium für Bildung, Wissenschaft und Kultur (BMBWK) of Austria.
05.2006 Postgraduate Qualification Course on the theme: “Neural Networks in Hydraulic and Structural Engineering” in Vienna University of Technology.

Speaks fluently and writes in English and Russian.
Can communicate in German.

3. Employment Activity:

3.1. Full - time Jobs:

- 10.1990 - 09.1993 Calculating engineer of building constructions
05.1994 - 05.1996 Chief of a Building Laboratory and Certificator of building elements
05.1996 - 06.1998 Assistant in the Faculty of Engineering and Pedagogy - Sliven,
Technical University-Sofia.
06.1998 - 02.2000 Senior Assistant
02.2000 - 03.2007 Head Assistant
03.2007 – up to now Associate Professor in TU – Sofia, FEPedagogy - Sliven

4. Teaching Activity:

4.1. Teaching Activity in FPE – Sliven, TU-Sofia:

Bachelor courses: Mechanics, Technical Mechanics, Strength of Materials, Dynamics and Vibrations of Machines

Master courses: Mechanics of Machines, Stress Dimensioning of Constructions, Theory of Elasticity.

4.2. Teaching Activity Abroad:

- 11.2001 Lecture in TU-Vienna, Austria, Guest Professor
05.2003 Lecture in TU-Vienna, Austria, Ernst Mach Grant Holder
06.2004, 06.2005, 05.2006, 06.2007
Lectures in TU-Vienna, Austria, Erasmus Lecturer

4.3. Supervising Activity Abroad:

- 2006, 2007 Supervising of Bulgarian students in TU-Vienna, Austria, according to Erasmus program for students exchange

5. Scientific Publications:

- Total number: 42
cited in the Ph.D. thesis - 9;

reviewed for Assoc. Professor's election - 26; (4 - in the proceedings of international conferences held abroad ; 2 – in referred international journals);
other - 7, (5 - in the proceedings of international conferences, held abroad);
tutorials - 3

6. Research Activity:

6.1. Participation in Research Contracts, Projects and Committees in Bulgaria:

1995 Participant in Contract № TH-597/95, financed by National Fund “Scientific Research” at Ministry of Education and Science of Bulgaria.
2001 Participant in Contract № 104 – 16, financed by Fund for Scientific and Research Projects at TU-Sofia.
2006 Participant in Contract № 126 НН-16/2006, financed by Fund for Scientific and Research Projects at TU-Sofia.
2007 Participant in Contract № 979 НН-16/2007, financed by Fund for Scientific and Research Projects at TU-Sofia.

6.2. Participation in International Research Contracts, Projects and Scientific Committees:

03-06.2003 Three months “Ernst Mach” scholarship in the Institute of hauling and hoisting machines, TU – Vienna, scientific advisor of Ao. Prof. Univ. Doz. Dr. Klaus Hoffmann. Institut für Konstruktionslehre und Fördertechnik, TU - Vienna, Austria
2002/2003 Member of the staff of an ERASMUS project – Bilateral Agreement with the Department of Mathematics, University of Janina, Greece
2003/2004, 2004/2005, 2005/2006, 2006/2007, 2007/2009
Coordinator and member of the staff of an ERASMUS project – Bilateral Agreement with TU - Vienna, Austria
2004/2005, 2005/2006 Coordinator and member of the staff of an ERASMUS project – Bilateral Agreement with Hochschule - DORNBIRN, Austria
2006, 2007 Member of the Scientific Committees of the International Workshops and Conferences

7. Administrative and Social Activity:

02.2004 – up to now – vice-head of the Department “Mechanics, Mechanical Engineering and Heat Engineering”, in FEP – Sliven, Technical University - Sofia.
2006 Secretary of the Organizing Committee of the National Conference with International Participants ”Technical Systems and Technologies 2006”
2006 Member of the Technical Committee of the Anniversary Scientific Conference ”20 year Faculty of Engineering and Pedagogy”, 2006
2007 Member of the Organizing Committee of the National Conference with International Participants ”Technical Systems and Technologies 2007”

Membership in Scientific and other Organizations:

1999 – up to now – Member of the Union of Scientists – Bulgaria, branch Sliven
2000 - 2004 – Secretary of the section “Engineering science” at the Union of Scientists – Bulgaria, branch Sliven
2007 – Member of the Union of Engineers in Investment Design – Bulgaria, branch Sliven
2007 – Biographee of Marquis Who's Who in Engineering and Science, 10-th Anniversary Edition 2008-2009