



**DRÁBEK Pavel**, Prof., RNDr., DrSc.

Born July 29, 1953 in Pardubice

- Mathematics, nonlinear differential equations
- Member of *Learned Society* since 2003

**Educational and professional preparation:**

- 1972, graduate, academic secondary school, Pardubice;
- 1972-1977, student, Faculty of Mathematics and Physics, Charles University, Prague;
- 1978, RNDr., FMP CU;
- 1981, CSc., Mathematical Institute, CSAS(MI, CSAS);
- 1987, Associate Professor of Mathematics, Mechanical and Electrical Engineering Institute, Plzeň;
- 1990, DrSc., MI CSAS;
- 1991 Professor of Mathematics, Faculty of the Applied Sciences, University of West Bohemia (FAS, UWB), Plzeň.

**Employment and academic positions:**

- 1977-78, internal post-graduate student, MI CSAS;
- 1978-1991, lecturer, lecturer, Associate Professor, MEI;
- 1991-present, Professor at FAS UWB;
- 1990-1999, 2004-present, Head, Department of Mathematics;
- 1990-91, Vice-Rector for Science

**Membership in selected domestic scientific bodies:**

- 1991-present, Member, Scientific Council of UWB and Scientific Council, FAS UWB
- 1995-2000, Member, Scientific Council, University of South Bohemia, České Budějovice
- 2003-present, Member, Scientific Council, MI, AS CR
- 2003-present, member, Scientific Council, Faculty of Electrical Engineering and Computer Science, Institute of Mining Technology (VŠB) Technical University in Ostrava
- 1992-present, Chairman, Section Council for Doctoral Study Programme in „Applied Mathematics“, FAS UWB
- 1996-present, Member, Czech Committee for Mathematics (since 2004, Chairman)
- 2003-present, Member, Professional Commission for the Science of Inanimate Nature and Engineering, Council for Research and Development
- 2003-present, Member, Standing Commission for D.Sc. Defence in „Mathematical Analysis and Related Fields“

## Membership and positions in selected international organizations and societies

- 1992, member, European Mathematical Society
- 1992, member, American Mathematical Society
- 1995, member, editorial board, *Electronic Journal of Differential Equations*
- 2000, member, standing commission for Dr.Sc. defence in of „Mathematical Analysis“, Slovak Republic
- 2002, member, editorial board, *Electronic Journal of Mathematical and Physical Sciences*
- 2002, member, editorial board, *Nonlinear Analysis, Ser. A: Theory and Methods*
- 2002, member, editorial board, *Abstract and Applied Analysis*
- 2003, Editor, *Handbook of Differential Equations*, Elsevier

## Notable awards:

- 1987, First Prize in mathematics for young members competing in the Union of Czechoslovak Mathematicians and Physicists challenge for the best scientific work held on the occasion of the 125<sup>th</sup> anniversary of UCMP's founding
- 1989, Second class medal, FMP CU
- 1997, Josef Hlávka Prize, Foundation of the Czech Literary Fund and J., M. and Z. Hlávka Foundation
- 2001, Memorial Medal, University of West Bohemia

## Selected publications:

- P. Drábek, G. Holubová: Fredholm alternative for the p-Laplacian in higher dimensions. *J. Math. Anal. Appl.* **263**, pp 182-194 (2001)
- P. Drábek, P. Krejčí, P. Takáč: *Nonlinear Differential Equations*. Chapman & Hall/CRC Research Notes in Mathematics, Series 404. Boca Raton, London, New York, Washington, D.C. 1999
- P. Drábek, S.B. Robinson: Resonance problems for the p-Laplacian. *J. Functional Analysis* **169**, pp 189-200 (1999)
- P. Drábek, A. Kufner, F. Nicolosi: *Quasilinear Elliptic Equations with Degenerations and Singularities*. Walter de Gruyter Series in Nonlinear Analysis and Applications 5, Berlin-New York 1997
- P. Drábek, S.I. Pohozaev: Positive solutions for the p-Laplacian: application of the fibering method. *Proc. Royal Soc. Edinburgh* **127A**, pp 703-726 (1997)
- P. Drábek: *Solvability and Bifurcations of Nonlinear Equations*. Pitman Research Notes in Mathematics. Series 264, Longman Group UK Limited, Harlow 1992
- P. Drábek: *Integral Equations*. Edition MŠMT, SNTL Praha 1991
- P. Drábek: Landesman-Lazer conditions for nonlinear problems with jumping nonlinearities. *J. Differential Equations* **85**, pp 186-199 (1990)

- P. Drábek, S. Invernizzi: On the periodic BVP for the forced Duffing equations with jumping nonlinearity. *Nonlinear Analysis, Theory, Methods & Appl.* **10**, pp 643-650 (1986)
- P. Drábek: Continuity of Nemytskij's operator in Holder spaces. *Comment. Math. Univ. Carolinae* **16**, 1, pp 37-57 (1975)