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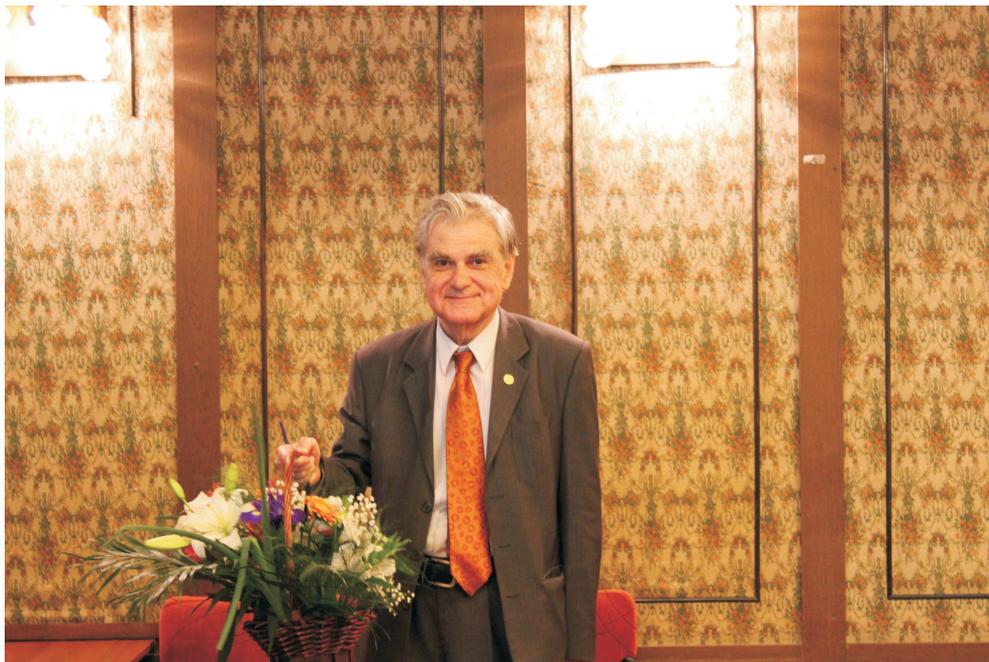
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## Curriculum Vitae of Petar R. Popivanov



Petar Radoev Popivanov was born on April 6, 1946 in Sofia. Traces of this branch of Popivanov's are found in the late 1700's in Lyaskovets, a small town near Veliko Tarnovo. In the family tree one finds in the last 200 years or so lawyers, men of learning, men of politics, military officers, physicians, priests. In particular, his father Radoy Popivanov(1913–2010) was a well known Bulgarian scientist in Biology and Immunogenetics and a Full Member of the Bulgarian Academy of Sciences (BAS). P. Popivanov graduated with MS diploma at the Faculty of Mathematics of the Sofia University "St. Kliment Ohridski" in 1969. In the period 1970–1973 he was a PhD student at the Moscow State University having as scientific supervisor Prof. Yuri V. Egorov – eminent specialist in the field of PDE. He defended his PhD thesis in Moscow in 1973 and in 1986 he defended a higher degree dissertation (for "Doctor of Mathematical Sciences" degree) at Sofia University "St. Kliment Ohridski". Since 1969 he works in the Institute of Mathematics and Informatics (up to 1988 Institute of Mathematics and Mechanics): Associate Professor (1979), Full Professor (1988), Corresponding Member of the Bulgarian Academy of Sciences (1995), Full Member (2003). P. Popivanov was head of the Section "Differential Equations" of IMI, BAS (1989–2011). He was Chairman of the Scientific Council of the same institute in period

1995-2008 and a member of the Board of BAS (2004-2013). From 2009 he is a scientific secretary of the Department of Sciences of BAS.

The research activity of Petar Popivanov covers wide range of arguments in the theory of PDE and applications: linear and non-linear microlocal analysis, non-elliptic boundary value problem [6], PDE on the torus in the presence of small divisors phenomena, singularities of the solutions of nonlinear hyperbolic systems [5], equations of Mathematical Physics (Camassa-Holm, Hunter-Saxton), and applications to mechanics, geometry and financial mathematics [8]. He is the author of more than 150 scientific papers, many of them published in prestigious international journals, and 4 monographs – 1 in Akademie Verlag [1] (jointly with D. Palagachev), 1 in Wiley – VCH [2] (jointly with T. Gramchev), 1 in Publishing House of the Union of Bulgarian Mathematicians [3], 1 in World Scientific [4] (jointly with A. Slavova). He has more than 460 citations by other authors. During his academic career P. Popivanov has been visiting professor, invited for research and seminars in mathematical centers and invited lecturer in international conferences in universities and academic centers of Austria, France, Germany, Greece, Israel, Italy, Japan, Poland, Russia, Serbia, Sweden. P. Popivanov has supervised 11 MS Theses (9 in Sofia University, 2 in the Southeast University of Blagoevgrad) and 4 PhD in the Sofia University. P. Popivanov has taught courses on ODE and PDE for graduate and undergraduate students in Mathematics and Informatics, and 8 Special Courses on Advanced Topics of PDE for senior graduate students, he has given seminars for PhD and Post docs in the Faculty of Mathematics and Informatics of the Sofia University “St. Kl. Ohridski”. He taught also courses on differential equations in Southeast University of Blagoevgrad, Bulgaria. He has been a co-author of two manuals on differential equations for students.

P. Popivanov is Doctor Honoris Causae of Rousse University “Angel Kanchev” (Rousse, Bulgaria). He was granted the Honorary Badge of BAS for his 60th Anniversary, the highest BAS prize “Marin Drinov” Ribbon medal for his 65th Anniversary and the Honorary badge of the President of BAS in 2016. Finally, it is worth pointing out to the great interest and the passion of P. Popivanov for literature, classical music, theater, and in particular, his inquiries and investigations in the realm of the literary world, the ideas and the legacy of the Russian writer F. M. Dostoyevsky [7].

**Selected books and papers of Prof. P. Popivanov**

- [1] P. POPIVANOV, D. PALAGACHEV. The degenerate oblique derivative problem for elliptic and parabolic equations. Berlin, Akademic Verlag, 1997, 160 pp.
- [2] T. GRAMCHEV, P. POPIVANOV. Approximate solution in scales of functional spaces. Berlin, Willey-VCH, 2000, 157 pp.
- [3] P. POPIVANOV. Geometrical methods for solving of fully nonlinear PDE. Sofia, UBM edition, 2006, 158 pp.
- [4] P. POPIVANOV, A. SLAVOVA. Nonlinear waves. An introduction. Singapore, World Sci., 2011, 168 pp.
- [5] P. POPIVANOV. Nonlinear PDE. Singularities, propagation, applications. *Oper. Theory, Adv. Appl.* **145** (2003), 1–94.
- [6] P. POPIVANOV, N. KUTEV. On the existence, uniqueness and smoothness of the solutions of some classes of non-linear partial differential equations. Teubner Texte zur Mathematik, 96. (1985/86), 104–194.
- [7] P. Popivanov, Dostoevskii-Inquiries of a mathematician, Sofia, 2011, 167 pp. (in Bulgarian).
- [8] R. Agliardi, P. Popivanov, A. Slavova, Chapter 2 Boundary value problems for 2nd order PDE in risk management and CNN approach. Monograph: Risk management-current issues and challenges, Intech, 31–52, <http://dx.doi.org/10.5772/49936>, 2012, editor N. Banaitiene.

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