

Short Biography: Bozenna Pasik-Duncan

Bozenna Pasik-Duncan received her Masters degree from the Mathematics Department of Warsaw University in 1970, and her Ph.D. and Habilitation doctorate degrees from the Mathematics Department of the Warsaw School of Economics in 1978 and 1986 respectively. She was a staff member of the Mathematics Department of Warsaw School of Economics from 1970 until 1984. In 1984 she moved to the University of Kansas, where she is currently a Professor of Mathematics, a Courtesy Professor of Electrical Engineering and Computer Science and a Courtesy Professor of Aerospace Engineering.

Dr. Pasik-Duncan's current research interests are primarily in stochastic adaptive control, computational aspects of stochastic control, and stochastic analysis with its applications to mathematics of finance, medicine, and telecommunications. Her other current interests include mathematics education at K-12 schools, control engineering education, and mathematics education for women in science and engineering. She is a member of KU Women in Science and Engineering Group and a member of the American Association of University Women. She is a faculty advisor to the KU Association for Women in Mathematics Chapter. She is the author of over 150 technical articles and 3 books. She has attended over 150 international conferences. She is the chair of the Stochastic Adaptive Control Seminar at KU and she currently supervises 10 students.

Dr. Pasik-Duncan is currently serving a 3-year term (2014-2017) as an elected Member of the KU Faculty Senate and University Senate and a separate 3-year term (2012-2015) as an elected Member of the KU Committee on Distinguished Professorship.

Dr. Pasik-Duncan is a recipient of the NSF Career Advancement Award, an Excellence in Teaching Award from the Ministry of Higher Education and Sciences in Poland and several Chancellor's Awards from the Warsaw School of Economics for her research and teaching. She was an IREX Scholar to the United States in 1982 visiting

several universities including Harvard, MIT and University of California, Berkeley. She has held several visiting appointments in Poland, Hungary, Czech Republic, France, Italy, Japan and China. She served as Vice President of the Warsaw Chapter of the Polish Mathematical Society in 1972-82 and as Chair of the Center of Applied Mathematics of the Polish Mathematical Society.

She currently serves as the Program Director of the SIAM Activity Group on Control and Systems Theory (SIAG/CST), a position that she also held position from 1992-1995. She was a member of SIAM Master Program Committee and Steering Committee from 1994-1997. She has been a member of the Organizing and Program Committees of many international conferences on Control and she was the organizer and co-organizer of three international symposia on Control and Adaptive Control. In June of 2000 Dr. Pasik-Duncan organized the first NSF workshop for the high school teachers of Math and Science on Ideas and Technology of Control and Systems. Since that time she has been organizing these workshops for middle and high school teachers and students annually in conjunction with major international conferences on control, reaching over 5,000 students during the last 13 years. She has been recognized as a guest speaker at various professional functions. She is an Associate Editor of several professional journals.

Dr. Pasik-Duncan has been actively involved in the IEEE Control Systems Society (CSS) in a number of capacities, such as Associate Editor of IEEE Transactions on Automatic Control from 1990-1997, an appointed member of the Board of Governors of IEEE Control Systems Society from 1991-1992, Chair of the standing committees on Assistance of Engineers at Risk and Women in Control, Associate Editor at Large of IEEE Transactions on Automatic Control from 1997-2002, and CSS Liaison to the IEEE Women in Engineering (WIE) Committee from 2006-2012. She served two terms on the Board of Governors of the IEEE Control Systems Society. She was Chair of the Standing Committee on International Affairs, Chair of the Task Force on Globalization, and she was Vice-President of the IEEE Control Systems Society from 1998-1999.

Dr. Pasik-Duncan is a Fellow of IEEE for "contributions to

identification and stochastic adaptive control."

The IEEE awarded the Third Millennium Medal to Dr. Pasik-Duncan in 2000 for "outstanding achievements and contributions in control systems field." She received the IEEE Control Systems Society Distinguished Member Award for "significant technical contributions and outstanding long-term service to the CSS." She is a Member of the IEEE WIE Committee.

Dr. Pasik-Duncan is very proud of being part of the outstanding history of the IEEE Control Systems Society. She was the leader of the Control Delegation to People's Republic of China sponsored by the People to the People Ambassador Program.

She was the organizer of the Second CSS Workshop on Control for High School Teachers in 2002 as well as the organizer of the Workshops for High School Students in Las Vegas and in Maui in 2002 and 2003 respectively. Dr. Pasik-Duncan was a founder of the Women in Control Group and in 2003 she organized and chaired the First NSF Workshop for Women in Control on "After Graduation: Women in Control Play Leading Roles". She is the Deputy Chair (formerly, Chair) of the CSS Technical Committee on Control Education. She is also the Chair of the Technical Committee on Education of the American Automatic Control Council (AACC) and formerly served as Chair of the Technical Committee on Control Education of the International Federation of Automatic Control (IFAC).

Dr. Pasik-Duncan is a Fellow of IFAC for "important contributions to stochastic adaptive control, inspiring vision of control as a field that spans science, technology, engineering and mathematics, and for her commitment to control education."

Dr. Pasik-Duncan is a recipient of the Kemper Fellowship for "Teaching Excellence and Advising in Public Outreach," a 2002 recipient of Frank B. Morrison Teaching Award and a recipient of the G. Baley Price Award for Excellence in Teaching. In 2015, Dr. Pasik-Duncan was awarded the Chancellors Club Teaching Professorship.

Dr. Pasik-Duncan is very proud of being the 2002 recipient of the

University of Kansas HOPE Award or Honor for an Outstanding Progressive Educator. It was the first time a mathematics professor had received the Award. She received the Mortar Board Outstanding Educator of 2003 Award. She is the recipient of the 14th Annual Louise Hay Award for contributions to Mathematics Education. The Association for Women in Mathematics honored Dr. Pasik-Duncan for "the wide range of her outstanding work as mathematician, for her inspiring vision of mathematics as a discipline and as profession, and for her commitment in carrying out the role of a professional mathematician in a wide variety of communities and settings." In 2002 she became a member of the Phi Beta Delta Honor Society for International Scholars. In 2008 she became the President of the KU Chapter of Phi Beta Delta.

She has been featured in several newspaper and magazine articles internationally, and she was selected as one of 25 female students, faculty and administrators to the first "KU Women of Distinction," a calendar in poster form, which is supposed to remind the community of the accomplishments made by students and faculty and highlight the university's leading role in women's issues. In Spring 2009 she was inducted to The KU Women's Hall. In 2011 she received The Steeples Service to Kansas Award. In March of 2012 she received The Outstanding Education Service Award in "recognition of your exemplary dedication and outstanding service in education" from The Institute of Interfaith Dialog.

Dr. Bozenna Pasik-Duncan is proud of being recognized for her love for music and art by being an elected member of the Board for Friends of the Lied Center in Lawrence, Kansas as the first mathematician ever serving on the Board and for being elected to the Spencer Museum of Arts Academic Programs Advisory Board.

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