

CURRICULUM VITAE of Marianna Bolla

Professional Experience

2000– Associate professor, Department of Stochastics, Institute of Mathematics, Budapest University of Technology and Economics (Technical University of Budapest).

1996–2000 Assistant professor, Department of Stochastics, Institute of Mathematics, Technical University of Budapest.

1992–1996 Assistant professor, Department of Mathematics, Faculty of Civil Engineering, Technical University of Budapest.

1990–1991 Visitor of the DIMACS, Center for Discrete Mathematics, Rutgers University, NJ, USA.

1988–1992 Research fellow at the National Institute of Psychiatry and Neurology, Budapest.

1978–1988 Research fellow at the Computer and Automation Research Institute of the Hungarian Academy of Sciences, Department of Applied Mathematics, Budapest.

Educational Background

1986–1990 Postdoctoral fellowship at the Mathematical Institute of the Hungarian Academy of Sciences, Budapest.

1973–1978 Undergraduate and graduate studies at the Eötvös Loránd University, Faculty of Sciences, Budapest. Specialization: mathematics, probability theory. Graduated in 1978.

Degrees

C.Sc (Candidate of Sciences degree) in mathematics, Hungarian Academy of Sciences, 1993. Thesis: *Relations between Spectral and Classification Properties of Multigraphs* (in English).

Ph.D in mathematics, Eötvös Loránd University, Budapest, 1983. Thesis: *Methods for Singular Value Decomposition of Matrices and its Applications in Multivariate Statistical Analysis* (in Hungarian).

Awards

Excellent teachers of the Faculty, by the Department of Sciences, Budapest University of Technology and Economics, 2008. Achievement: high level teaching.

Farkas Bolyai Prize, by the Hungarian Academy of Sciences, 2000. Achievement: high level teaching and research.

Yearly Award of the National Institute of Psychiatry, 1992. Achievement: excellent publications.

Award for Junior Researchers of the Computer and Automation Research Institute of the Hungarian Academy of Sciences, 1983. Achievement: high level research in computer science.

Academic prize, by the president of the Hungarian Academy of Sciences, 1989. Achievement in team: Statistical Researches on Multiple Congenital Abnormalities of Newborns.

Other

Managing editor of the book *Contests in Higher Mathematics, Miklós Schweitzer Competitions 1962–1991*, Springer, 1996 (series ed. Paul R. Halmos), ISBN 0-387-94588-1.

Included on pages 134-135 of the book: Women in the Hungarian science (in Hungarian), eds. Balogh, M., Palasik, M., Napvilág Publishing House, Budapest, 2010.

Reviewing activity: for the AMS journal STMA (Statistical Theory and Method Abstracts), 1995-2000; and for the Math. Reviews, 2010-.

Refereeing activity for the journal Annals of Mathematics and Artificial Intelligence, 2009-.

Academic teaching

(1992–) Differential and Integral Calculus, Linear Algebra, and Probability Theory for engineering students in Hungarian and in English (at the International Center for Engineering Programs at the Technical University of Budapest). Books: *Thomas, G. B. et.al., Calculus. Anton, H., Elementary linear algebra. Bhatia, R., Matrix analysis.*

(2000–) Mathematical Statistics for mathematics (BS) students. Multivariate Statistical Analysis for mathematics (MS) students specialized in stochastic analysis. Statistical methods of data mining: a special course for mathematics and informatics (MS) and Ph.D students. Books: *Bolla, M., Krámli, A., Theory of statistical inference (in Hungarian, Typotex, Budapest, 2005). Mardia, K. V., Kent, J. T., Bibby, M., Multivariate analysis. Hastie, T. et al., The elements of statistical learning. Rényi, A., Probability theory. Ross, S. A., A first course in probability.*

Abroad (1995–1996): teaching Calculus at the Spokane Falls Community College, WA, USA.

Central European University, Budapest (2007–): Probability and Statistics, and Multivariate Statistics courses for MS and Ph.D students.

Publications

List of publications: www.math.bme.hu/~marib/publica101.pdf

Sample of publications: www.math.bme.hu/~marib/publica

Sample of presentations: www.math.bme.hu/~marib/prezentacio

Languages

Fluent in English (advanced level exam); reads Russian and French (intermediate level exam in Russian).

Addresses

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