

# Curriculum Vitae

Iwona Pawlikowska

## Address:

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## Education

- 2002** – Ph.D. in Mathematics, thesis: *Characterizations of mappings through mean value theorems*, University of Silesia, Katowice, Poland,
- 1997–2002** – doctoral studies in mathematics, Department of Functional Equations, Institute of Mathematics, University of Silesia,
- 1996–1997** – graduate studies in physics, Department of Computational Methods in Physics, Institute of Physics, University of Silesia,
- 1996** – M.Sc. in Mathematics, thesis: *Separation of roots of polynomials*, University of Silesia, Katowice, Poland.

## Employment

- 2004–2006** – Visiting Assistant Professor, Department of Mathematics, University of Louisville,
- 2002–present** – Assistant Professor, Department of Functional Equations, Institute of Mathematics, University of Silesia,
- 2000–2002** – Lecturer, Department of Functional Equations, Institute of Mathematics, University of Silesia

## Awards

- 2002** – University of Silesia Rector Award for Scientific Achievement

## Research interests

Functional Equations, Statistics, Mathematical Biology

## Conferences

**September 2006** – presented “Flett-type means II” at *11<sup>th</sup> International Conference on Functional Equations and Inequalities*, Będlewo, Poland,

**May 2006** – presented “Flett-type means” at *44<sup>th</sup> International Symposium on Functional Equations*, Louisville, Kentucky, USA,

**September 2005** – presented “Theorems of Flett’s type and stability” at *10<sup>th</sup> International Conference on Functional Equations and Inequalities*, Będlewo, Poland,

**July 2005** – *First Cornell Summer School in Probability*, Cornell University, Ithaca, NY,

**March 2004** – *SASForum 2004*, Warsaw, Poland,

**February 2004** – presented “Stability of Flett’s points of  $n$ -th order” at *4<sup>th</sup> Debrecen-Katowice Winter Seminar on Functional Equations and Inequalities*, Mátraháza, Hungary,

**November 2003** – *Applications of Physics in Financial Analysis 4*, Technical University of Warsaw, Warsaw, Poland,

**October 2003** – *Workshop “Analysis of Random Markets: Products and Prices”*, Mathematical Institute of the Polish Academy of Science, Warsaw, Poland,

**September 2003** – presented “A method used in solving functional equations stemming from MVTs” at *The 9th International Conference on Functional Equations and Inequalities*, Muszyna Złockie, Poland,

**January/February 2002** – presented “A method used in characterizing polynomial functions” at *2<sup>nd</sup> Debrecen-Katowice Winter Seminar on Functional Equations and Inequalities*, Hajdúszoboszló, Hungary,

**April 1997** – *CCP5 Spring School Methods in Molecular Simulation*, University of Bristol, United Kingdom,

**1998 - 2003 and 2006** – *Summer School of the Institute of Mathematics of the University of Silesia*

## Invited Talks

**November 2006** – two seminar talks on “Generalizations of Flett’s theorem and Flett-type means”, Functional Equations Seminar, University of Silesia, Katowice, Poland,

**October 2005 and February 2006** – two seminar talks on “Fokker-Planck Equation” Statistics and Applied Probability Seminar Series, University of Louisville,

**April 2005** – seminar talk on “Gamma distribution as a model for the DNA hybridization reaction”, Statistics and Applied Probability Seminar Series, University of Louisville,

**February 2005** – seminar talk on “Flett’s Mean Value Theorem and connected theorems”, Analysis Seminar, University of Louisville,

**January 2005** – colloquium on “Generalizations of Flett’s Mean Value Theorem and stability problems”, University of Cincinnati,

**December 2004** – seminar talk on “Characterization of gamma distribution via independence of certain sample statistics”, Statistics and Applied Probability Seminar Series, University of Louisville,

**October 2004** – colloquium on “Stability of  $n$ -th order Flett’s and Lagrange’s points”, Colloquium Series, University of Louisville,

**Fall 2004** – two seminar talks on “Stability of  $n$ -th order Flett’s points”, Analysis Seminar, University of Louisville,

**May 2004** – seminar talk on “Contingent claims”, Financial Mathematics Seminar, Polish Academy of Sciences, Warsaw, Poland

## Publications

- [1] G. Rempała, I. Pawlikowska, *Limit Theorems for Hybridization Reactions on Oligonucleotide Microarrays*, accepted to Journal of Multivariate Analysis,
- [2] I. Pawlikowska, *Stability of  $n$ -th order Flett’s and Lagrange’s points*, *Sarajevo Journal of Mathematics*, **2(14)** (2006), 41–48,
- [3] I. Pawlikowska, *A method of solving functional equations defined in convex subsets of linear space*, to appear in *Aequationes Math.*,
- [4] I. Pawlikowska, *Solutions of two functional equations using a result of Sablik*, *Aequationes Math.* **72** (2006), 177–190,
- [5] I. Pawlikowska, *A characterization of polynomials through Flett’s MVT*, *Publ. Math. Debrecen* **60** (2002), 1–14,
- [6] I. Pawlikowska, *An extension of a theorem of Flett*, *Demonstratio Math.* **32** (1999), 281–286.

## **Professional Society Membership**

Polish Mathematical Society