

Curriculum Vitae

Mishko Mitkovski

School of Mathematics, Georgia Institute of Technology, Atlanta, GA 30332-0160

Office: (404) 385-7531 \diamond Cell: (979) 402-9996

E-mail: mishko@math.gatech.edu

www.math.gatech.edu/~mmitkovski3

————— **EDUCATION**

Texas A&M University, College Station, Texas

Ph.D., Mathematics, August 2010

Ss. Cyril and Methodius University, Skopje, Macedonia

B.S., Mathematics, 2004

————— **PROFESSIONAL EXPERIENCE**

Visiting Assistant Professor, Georgia Institute of Technology, August 2010 - present

————— **RESEARCH INTERESTS**

Function Theory, Operator Theory, Harmonic Analysis

————— **PUBLICATIONS**

Polya sets, gap theorems and Toeplitz kernels, (with A. Poltoratski), *Advances in Math.* 224 (2010) 1057-1070.

On a connection between Naimark's dilation theorem, spectral representations, and characteristic functions, *Indiana Univ. Math. J.*, to appear.

Universality limits for entire functions, *Proceedings of AMS*, to appear.

Basis properties of complex exponentials, in preparation.

Uniqueness sets in the Bargmann-Fock space, (with B. Wick), in preparation

————— **HONORS & AWARDS**

L. F. Guseman Prize in Mathematics, Department of Mathematics, Texas A&M, 2010

-Given for outstanding research, teaching, and service as a graduate student.

Bronze medal at the International Mathematical Olympiad, Romania, 1999

Bronze medal at the International Mathematical Olympiad, Taiwan, 1998

————— **GRANTS AWARDED**

National Science Foundation - DMS # 1101251, *Hilbert spaces of analytic functions and their applications*, Aug 15, 2011 - Jul 31, 2014, \$101,944.

TEACHING EXPERIENCE

Georgia Institute of Technology

- MATH 2401: Calculus III Fall 2011
- MATH 1502: Calculus II Spring 2011
- MATH 1502: Calculus II Fall 2010

Texas A&M University

Instructor

- MATH 141: Business Mathematics I Fall 2009

Teaching Assistant

- MATH 253: Engineering Mathematics II Fall 2007
- MATH 151: Engineering Mathematics I Spring 2006

Outreach

- *Counselor*, SMaRT (Summer Math Research Training) high school camp, Texas A&M University, June 2009
- *Deputy Leader*, Macedonian Junior Balkan Mathematical Olympiad Team, Turkey, 2003
- *Instructor*, Training camp for the Macedonian Balkan Mathematical Olympiad Team, April 2003

RESEARCH TALKS

Hilbert Spaces of Entire Functions and Spectral Theory of Self-Adjoint Differential Operators Workshop, CRM, Barcelona, June 2011

Analysis Seminar at Georgia Tech, April 2011

27-th Southeastern Analysis Meeting, University of Florida, March 2011

Special Session on Harmonic Analysis and Applications, AMS Southeastern Section Meeting, March 2011

Waves and Spectra Conference, Texas A&M, January 2011

Special Session on Operator Theory, AMS Southeastern Section Meeting, November 2010

Analysis Seminar at Georgia Tech, October 2010

26-th Southeastern Analysis Meeting, Georgia Tech, March 2010

Analysis Seminar at Georgia Tech, January 2010

Analysis Seminar at University of Wisconsin - Madison, January 2010

Analysis Seminar at Michigan State University, December 2010

Le Seminaire d'Analyse Fonctionnelle de l'Institut de Mathematiques de Jussieu, Paris, October 2009

Analysis Seminar at University of Marseille, Marseille, France, October 2009

Analysis Seminar at NTNU, Trondheim, Norway, October 2009

Mathematical Physics and Harmonic Analysis Seminar, Texas A&M University, April 2009

25-th Southeastern Analysis Meeting, University of South Florida, March 2009

———— OTHER TALKS

On the Naimark's dilation theorem, Working Analysis and PDE's Seminar, October 2009

A short course in analysis, Graduate Student Seminar, April 2009

———— WORKSHOPS ATTENDED

Bellman Functions in Harmonic Analysis, INRIA, Sophia Antipolis, France, June 2011

Random Matrix Theory, Mathematical Sciences Research Institute, Berkeley, CA, July 2009

Thematic Program on New Trends in Harmonic Analysis, Toronto, Canada, January 2008

———— OTHER CONFERENCES ATTENDED

Perspectives in High Dimensions, Case Western Reserve University, Cleveland, OH, August 2010

The Power of Analysis - conference in honor of Charles Fefferman's 60th birthday, Princeton, NJ, May 2009

Great Plains Operator Theory Symposium, University of Cincinnati, OH, June 2008

———— SCHOLARLY AND DEPARTMENTAL SERVICE

Referee for Journal of Approximation Theory and Proceedings of AMS

School of Mathematics Oral Exam Committee for James Scurry, Georgia Tech, Fall 2011

———— PERSONAL INFORMATION

Other names used: Misko Mitkovski