AKASH BANDYOPADHYAY

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ACADEMIC EMPLOYMENTS

2012-now Northwestern University, Kellogg School of Management, Department of Finance, Clinical Assistant Professor of Finance.

2009-2012 Northwestern University, Kellogg School of Management, Department of Finance, Senior Lecturer of Finance.

2003-2008 University of Chicago, Graduate School of Business (now: Booth School of Business), Adjunct Assistant Professor of Finance (full time).

2001-2003 University of Illinois at Urbana-Champaign, College of Business, Department of Finance, Visiting Assistant Professor of Finance.

INDUSTRIAL EMPLOYMENTS

2001 Société Générale Group (SG Cowen Securities Corporation), New York.
Quantitative Analyst: Market Risk Management.

2000-2001 Merrill Lynch, New York.
Quantitative Analyst: Global Equity Linked Products, and Asset Management.

2000 Deutsche Bank, New York.
Quantitative Analyst (summer intern): Equity Derivatives Risk Management.

1999 Banc of America Securities, New York.
Quantitative Analyst (summer intern): Equity Derivatives Research.

EDUCATION

1997-2000 PhD in Theoretical Physics, University of Illinois at Urbana-Champaign.
Thesis Title: Improvement of Stress-Energy Tensor Using Space-Time Symmetries.

1994-1996 MS in Theoretical Physics, University of Notre Dame.

1989-1992 MSc in Physics, *first class*, University of Calcutta, India.

1986-1989 BSc in Mathematics, Statistics, and Physics (honors), *first class honours with first division*, University of Calcutta (Presidency College), India.

TEACHING

Kellogg School of Management, Northwestern University

since 2011 FINC 970-0: Empirical Methods in Finance. (MBA)

since 2011 FINC 530-0: Empirical Asset Pricing (Special Topics in Finance). (PhD course)

since 2009 FINC 460-0: Investments. (MBA)

University of Chicago, Graduate (Booth) School of Business

since 2003 'Financial Instruments' (MBA/PhD) - *student evaluation* 4.6/5 (school's average 3.8/5)

since 2004 'Investments' (MBA core) - *student evaluation* 4.4/5 (school's average 3.9/5)

since 2006 'Fixed Income Asset Pricing' (MBA/PhD) - *student evaluation* 4.9/5 (school's average 4.1/5)

University of Illinois at Urbana-Champaign, Department of Finance, College of Business

2001 - 2003 'Options and Futures Markets' (Undergraduate/MS) - *student evaluation* 4.6/5

2002 - 2003 'Financial Engineering' (MS/MBA/PhD) - *student evaluation* 4.8/5

2002 - 2003 'Topics of Financial Risk Management' - undergraduate independent study course

TEACHING AWARDS

'Faculty Impact Award' for FINC 970-0: "Empirical Methods in Finance" course – Kellogg School of Management, Northwestern University; Spring 2012, Spring 2013.

'Faculty Impact Award' for FINC 460: "Investments" course – Kellogg School of Management, Northwestern University; Spring 2010, Fall 2011.

'Dean's Letter for Distinguished Performance in Teaching' – Kellogg School of Management; Fall 2009, Spring 2010, Fall 2010, Spring 2011, Fall 2011.

Nominated for the 'L. G. Lavengood Outstanding Professor of the Year Award' by the Kellogg MBA students; Spring 2010, Spring 2011.

Rated as the '*Most Enthusiastic Finance Professor*' by the MBA and PhD students of the University of Chicago, Graduate School of Business (Booth); 2006.

'Dean's Letter for Excellence in Finance Teaching'- University of Illinois, College of Business; 2002.

'Excellence in Teaching Award' - multiple times, voted by MBA, MS, and Undergraduate students of University of Illinois at Urbana-Champaign; 1997 – 2002.

FINANCE ARTICLES

1. "Stress Test, Regression Analysis, and Convergence of Convertible Bond Valuation Models," derivatives analytics research report, Merrill Lynch, April 2001

2. "VaR from Stress Test Projection Reports," risk management report, Deutsche Bank, August 2000

3. "Feynman Path Integrals for Derivative Pricing," quantitative equity derivatives research report, Banc of America Securities, August 1999

4. "How to Derive Black-Scholes Equation Correctly?" Banc of America Securities, July 1999

BOOK (WORKING PROJECT)

"Investments: A Course of Lectures" (based on my courses at Kellogg School of Management and Graduate School of Business of the University of Chicago), in preparation (proposal accepted by World Scientific).

PUBLICATIONS OUTSIDE OF FINANCE

1. "Construction of Improved Stress-Energy Tensor in d ≥ 2," *International Journal of Theoretical Physics*, 38(5), 1531-1537, May 1999

2. "Unified Equation of Motion of a Test Charge in Electromagnetic and Gravitational Fields," *International Journal of Theoretical Physics*, 32(9), 1563-1571, September 1993

3. "A Monte Carlo study of Smectic-Nematic-Isotropic Phase Transitions," (with B. Nandi, T. R. Bose, J. Saha, and M. Saha), *Physics Letters A*, 161(4), 369-372, 6 January 1992

4. "On Newton's Classical Laws and Schrödinger's Quantum Equation," *Physics Teacher* (Indian Physical Society), 31(1), 1-2, January/February 1989

THESIS SUPERVISION

Title: Option Pricing with Finite Difference Methods and Monte Carlo Simulations (Master's Thesis).
Student: Anton Hong; Status: Exchange student from Germany at UIUC; Date: April 15, 2002.
Subsequent Position: Quantitative Analyst, Equity Derivatives group of J.P.Morgan-Chase, London.

REFEREE

Journal of Financial Economics, Economics Bulletin (http://www.economicsbulletin.com/), Palgrave-Macmillan, Addison-Wesley/Pearson.

GRANTS AND SCHOLARSHIPS

Research and Teaching Grant from Kellogg School of Management: 2009 – present.
Research and Teaching Supplement Grant from University of Chicago GSB (now: Booth): 2003-2008
National Science Foundation Doctoral Research Fellowship (2 times): 1998, 1999-2000
University of Notre Dame Research Fellowship: 1996
National Merit Scholarship of India (2 times): 1987, 1989-1992

SEMINARS

Kellogg School of Management (Northwestern University), University of Illinois at Urbana-Champaign, University of Notre Dame, City University of New York (Baruch College), Goldman Sachs, Deutsche Bank, Merrill Lynch, Banc of America Securities,

MEDIA COVERAGE

Featured in *Chicago Business* (newspaper of Chicago GSB (Booth)), May 25, 2006.

Featured in *The Bizz* (periodical published by University of Chicago's Economics majors), Winter 2005.

SERVICE TO PhD PROGRAM

Informally supervised research, reviewed proposals, reviewed job market paper, conducted mock interviews and assisted in academic placement of numerous finance PhD students of Kellogg and University of Chicago. My former students and teaching assistants are now professors in top schools in the US and around the world.

OTHER ACADEMIC ACTIVITIES

Review of the academic standard of MBA Investments courses at other universities for the Kellogg Exchange Program out of the Kellogg Global Programs Office. Multiple times, 2010-present.

Student advising for financial engineering, quantitative finance, and risk management courses and career tracks: University of Chicago, and College of Business at the University of Illinois: 2001-2008.

Supervising MBA student research initiatives at Chicago GSB (Booth): 2007.
(one student's article *Puzzles in Finance* published in *Chicago Business*, May 17, 2007)

Supervising Undergraduate (James Scholars) and MS/MBA research projects, and foreign exchange students (2 finance majors from Germany): College of Business, University of Illinois, 2001-2003.

OUTSIDE ACTIVITIES

None.

REFERENCES

Professor Mitchell Petersen	: Kellogg School of Management, Northwestern University Ph: 847-467-1281; e-mail: mpetersen@kellogg.northwestern.edu
Professor George Constantinides	: The University of Chicago, Booth School of Business Phone: 773-702-7258; e-mail: gmc@ChicagoBooth.edu
Professor Peter Carr	: New York University, Courant Institute of Mathematical Sciences, and, Morgan Stanley (Global Head of Market Modeling) Phone: 212-761-5846; e-mail: pcarr@nyc.rr.com