Akash Bandyopadhyay

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ACADEMIC APPOINTMENTS

2009 – now Northwestern University, Kellogg School of Management.
Senior Lecturer of Finance.

2003 – 2008 University of Chicago, Graduate School of Business (now known as Booth School).
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 University of Illinois at Urbana-Champaign: Ph.D. in Theoretical Physics
Thesis Title: Improvement of Stress-Energy Tensor Using Space-Time Symmetries

1994 – 1996 University of Notre Dame: M.S. in Theoretical Physics

1989 – 1992 University of Calcutta, India: M.Sc. in Physics

1986 – 1989 University of Calcutta (Presidency College), India: B.Sc. in Mathematics, Statistics, and Physics (honors)

TEACHING EXPERIENCE

Kellogg School of Management, Northwestern University

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

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

since 2009 FINC 460: 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 ave 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 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 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

"Lectures on Investments" (based on my course at Kellogg School and Chicago Booth), in preparation (proposal accepted by the publisher), 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/). (ad-hoc)

GRANTS AND SCHOLARSHIPS

Research and Teaching Grant from Kellogg School of Management: 2009 - now.
Research and Teaching Supplement Grant from University of Chicago GSB (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
www.chibus.com/news/2006/05/25/BoothLife/Faculty.Smackdown.Prof.Bandyopadhyay-2014384.shtml

Featured in *The Bizz* (periodical published by Chicago's Economics majors): Winter 2005
http://thebizz.uchicago.edu/04fall/tracy.html

SERVICE TO PHD PROGRAM

Informally advised, conducted mock interviews for job market candidates, and assisted in academic placement to numerous finance PhD students of Kellogg and University of Chicago. My former students and teaching assistants are now professors in top schools around the world.

OTHER ACADEMIC ACTIVITIES

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
http://media.www.chibus.com/media/storage/paper408/news/2007/05/17/Perspectives/Puzzles.In.Finance-2905989.shtml (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

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