

CURRICULUM VITAE

ZLATKO B. TEŠANOVIĆ

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Education and Degrees

1980-85 Ph.D. in Physics, University of Minnesota
1975-79 B.Sc. in Physics (*Summa Cum Laude*), University of Sarajevo, Yugoslavia

Research and Teaching Positions

1994- Professor of Physics, Johns Hopkins University
1999-03 Director, TIPAC Theory Center, Johns Hopkins University
1990-94 Associate Professor of Physics, Johns Hopkins University
1987-90 Assistant Professor of Physics, Johns Hopkins University
1987-88 Director's Postdoctoral Fellow, Los Alamos NL (on leave from JHU)
1985-87 NSF Postdoctoral Fellow, Harvard University
1980-85 Teaching/Research Assistant, University of Minnesota

Fellowships, Awards, Honors

Foreign Member, The Royal Norwegian Society of Sciences and Letters
Fellow, The American Physical Society
Inaugural Speaker, J. R. Schrieffer Tutorial Lecture Series, National High Magnetic Field Laboratory, 1997
David and Lucile Packard Foundation Fellowship, 1988-94
IBM Thomas J. Watson summer faculty, 1986
J. R. Oppenheimer Fellowship, Los Alamos National Laboratory, 1985 (declined)
University of Minnesota Doctoral Dissertation Fellowship, 1984-85
Stanwood Johnston Memorial Fellowship, University of Minnesota, 1984-85
Shevlin Fellowship, University of Minnesota, 1983-84
University of Minnesota School of Physics and Astronomy Fellowships, 1980-83
Fulbright Fellowship, Institute of International Education, 1980

Sampler of Professional Activities and Contributions

Co-Organizer, Aspen Center for Physics Workshop on Iron Superconductors and New Century of Superconductivity, June-July, 2011

Invited Nature News & Views article: "Copper-oxide superconductivity: The mystery and the mystique", *Nature Physics* **7**, 283 (2011)

Member, Physics Department External Review Committee, Boston College [other members: R. Shankar (Yale) and R. Westervelt (Harvard)], December 2009

Invited viewpoint article in Physics on iron-based superconductivity: "Are iron pnictides new cuprates?", *Physics* **2**, 60 (2009)

Co-Organizer, Aspen Center for Physics Workshop on Quantum Vortices and Fluctuations in Superconductors and Superfluids, July 2009

Reader, PhD Thesis of P. Srivastava, Indian Institute of Technology, Kanpur, India, January 2009

Founding Member, Johns Hopkins-Princeton Institute for Quantum Matter, 2008-
Cited expert opinion, *New Scientist* article "Isn't It Ironic?" by C. Zandonella, August 2008

Member, NSF MRSEC review committee, 2008

Opponent, PhD Thesis Defense and Public Lecture (K. Borkje), Norwegian University of Science and Technology, Trondheim, Norway, February 2008

Member, CFIF Fellow Ad-Hoc Selection Committee, The Centre for Physics of Fundamental Interactions, Lisbon, Portugal, 2008

Member, International Advisory Committee, ISF Workshop on Fluctuations and Phase Transitions in Superconductors, June 2007

Member, NSF Site Visit Panel at National Magnetic Field Laboratory, January 2007

Member, NSF-MRSEC Site Visit Panel at Princeton University, May 2006

Opponent, PhD Thesis Defense and Public Lecture (E. Smørgrav), Norwegian University of Science and Technology, Trondheim, Norway, November 2005

Member, International Advisory Committee, XXIV International Conference on Low Temperature Physics, August 2005

Member, International Advisory Committee, International Workshop on Correlated Electrons at High Magnetic Fields, Israel Science Foundation, December 2004

Invited Participant, NSF Workshop on Theory in the Directorate of Mathematical and Physical Sciences, October 2004

Principal Opponent, PhD Thesis Defense and Public Lecture (A. Vestergren), Kungliga Tekniska Högskolan (Royal Institute of Technology), Stockholm, Sweden, September 2004

Member, Scientific Committee, XXVIII International Conference on Theoretical Physics, Polish Physical Society, September 2004

Invited Nominator, MacArthur Fellowship, April 2003

Scientific Coordinator, NSF Boulder Summer School on Superconductivity, July 2000

Member, Advisory Board, Gordon Conference on Correlated Electron Systems, June 2000

Opponent, PhD Thesis Defense and Public Lecture (A. K. Nguyen), Norwegian University of Science and Technology, Trondheim, Norway, April 1999

Co-Chair, Telluride Workshop on High Temperature Superconductivity, August 1997

Co-Director, ICTP Conference on Fluctuations in Superconductors, August 1996

Publications

Approximately 120 in refereed journals (33 in Physical Review Letters, 2 in Nature, 1 in Reviews of Modern Physics)

Approximately 15 invited book chapters and proceedings

Edited one book

Invited Talks at Scientific Meetings

Approximately 90 invited talks at scientific meetings including major international conferences (International Conferences on Low Temperature Physics 2011, 2002 and 1999, International Conference on Spectroscopies in Novel Superconductors 2010, International Conferences on Materials and Mechanisms of Superconductivity 2003 and 1994, etc.).

Graduate Students

Lei Xing, Ph.D. Spring 1992 (currently Professor at Stanford University)

Thesis title: “Mixed Phase of Strongly Type-II Superconductors”

Igor Herbut, Ph.D. Spring 1995 (currently Professor at Simon Fraser University)

Thesis title: “Theories of Electronic Systems in High Magnetic Fields”

Anton Andreev, Ph.D. Spring 1995 (currently Associate Professor at the University of Washington)

Thesis title: “Disordered Electronic Systems” (Ph.D. completed at M.I.T.)

Sasha Dukan, Ph.D. Fall 1995 (currently Associate Professor and Chair at Goucher College)

Thesis title: “Novel Gapless Superconductivity at High Magnetic Fields”

Oskar Vafek, Ph.D. Spring 2003 (currently Assistant Professor at Florida State University/NHMFL, after Postdoctoral Fellowship at Stanford)

Thesis title: “Quasiparticles and Vortices in High T_c Cuprate Superconductors”

Ashot Melikyan, Ph.D. Spring 2004 (currently Editor at Physical Review B, after Postdoctoral Fellowship at Argonne NL)

Thesis title: “A Lattice d-wave Superconductor and the Physics of Cuprates”

Andres Concha, Ph.D. Spring 2010 (currently Postdoctoral Fellow at Harvard)

Thesis title: “Theoretical Investigations in Hard and Soft Condensed Matter Physics”

Valentin Stanev, Ph.D. Spring 2010 (currently Postdoctoral Fellow at Argonne NL)

Thesis title: “Multiband Superconductivity in Iron Pnictides and Chalcogenides”

Jian Kang, current student, Ph.D. Spring 2011 (anticipated)

James Murray, current student, Ph.D. Spring 2012 (anticipated)

Postdoctoral Fellows

Stavros Theodorakis, 1988-1990, Ph.D. Stanford University 1986 (currently Associate Professor at the University of Cyprus)

Avinash Singh, 1989-1991, Ph.D. University of Illinois 1988 (currently Professor at the Kanpur Institute of Technology)

Ju Hyo Kim, 1991-1994, Ph.D. University of Chicago 1991 (currently Professor at the University of North Dakota)

Zafer Gedik, NATO Postdoctoral Fellow 1993-1994, Ph.D. Bilkent University 1992 (currently Professor at the Sabanci University, Turkey)

Igor Herbut, 1995, Ph.D. Johns Hopkins University 1995 (currently Professor at Simon Fraser University)

Marcel Franz, 1996-2000, Ph.D. Rochester University 1994 (currently Associate Professor at the University of British Columbia)

Qijin Chen, 2002-2004, Ph.D. University of Chicago 2000 (currently Changjiang Professor at the Zhejiang University, PRC)

Vladimir Cvetkovic, 2006-2009, Ph.D. Universiteit Leiden (NL) 2006 (currently Postdoctoral Fellow at UC Riverside)

Adrian Del Maestro, 2010- , Ph.D. Harvard University 2008 (current IQM postdoc)