

Curriculum Vitae
EDUARDO HECTOR FRADKIN

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DATE AND PLACE OF BIRTH: February 21, 1950; Buenos Aires, Argentina

MARITAL STATUS: Married, three children.

ACADEMIC DEGREES:

Licenciado en Física, Universidad de Buenos Aires, Argentina (1973)
Ph. D., Physics, Stanford University (1979)
Thesis Title: Phase Transitions in Lattice Gauge Theories (Advisor: Prof. L. Susskind)

EMPLOYMENT HISTORY:

Postdoctoral Research Associate, University of California, Santa Cruz (1979)
Postdoctoral Research Associate, University of Illinois (1979-80)
Research Assistant Professor, University of Illinois (1980-1981)
Assistant Professor of Physics, University of Illinois (1981-1984)
Associate Professor of Physics, University of Illinois (1984-1989)
Professor of Physics, University of Illinois (since Fall 1989)

VISITING POSITIONS, AWARDS, ETC.:

1. Visiting Scientist, Institute for Theoretical Physics, University of California, Santa Barbara CA (USA)(Summer, 1980).
2. Consultant at IBM Thomas J. Watson Research Center (Fall 1980).
3. Visiting Scientist, Institute for Theoretical Physics, University of California, Santa Barbara CA (USA)(Summer 1981).
4. Invited Lecturer, École d'Été de Physique Théorique, Les Houches, France (Summer 1982).
5. Visiting Scientist, Commissariat a l'Énergie Atomique, Service de Physique Theorique, Saclay, France (Fall 1982).
6. Visiting Professor, Ecole Normale Supérieure, Laboratoire de Physique Theorique, Paris, France (Winter 1983).
7. Visiting Professor, Departamento de Física, Universidad de La Plata, Argentina (Summer 1984)

8. Visiting Scientist, Institute for Theoretical Physics, University of California, Santa Barbara CA (USA) (Summer 1985).
9. Visiting Professor, Departamento de Física, Universidad de La Plata, Argentina (1986-87).
10. Visiting Professor, Departamento de Física, Universidad de La Plata, Argentina (Summer 1995).
11. Visiting Professor, Departamento de Física, Universidad de La Plata, Argentina (Summer 1998).
12. External Oponent, Institute of Theoretical Physics, Chalmers University of Technology, Göteborg, Sweden (Summer 1995).
13. Visiting Scientist, Institute for Theoretical Physics, University of California, Santa Barbara (Spring and Summer 1997).
14. Visiting Scientist, Institute for Theoretical Physics, University of California, Santa Barbara CA (USA) (August-September 1998).
15. Visiting Professor, Laboratoire de Physique Théorique et Hautes Energies, Université Pierre et Marie Curie (Paris VI) et Denis Diderot (Paris VII), Paris, France (November 1998).
16. Visiting Professor, Departamento de Física, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires (December 2006).
17. Arnold O. Beckman Associate, Center for Advanced Study, University of Illinois (1990-91)
18. John Simon Guggenheim Memorial Foundation Fellowship Award, 1998/1999.
19. Arnold O. Beckman Research Award, Research Board, University of Illinois, 2006.
20. Fellow of the American Physical Society.
21. Member, American Physical Society
22. Member, Asociación Física Argentina (Argentine Physical Association)
23. Organizer of the University of Chicago/University of Illinois, Joint Physics Meeting (1981-1989)

Research Interests

Condensed Matter Theory, Strongly Correlated Systems, Quantum Hall Systems, Disordered Systems, Field theory.

Doctoral Students:

1. Dr. Michael Ma (Prof. W. McMillan codirector), PhD University of Illinois at Urbana-Champaign, July 1982. Dr. Ma is currently Professor of Physics at the University of Cincinnati, Cincinnati OH (USA).
2. Dr. Franco Nori, PhD University of Illinois at Urbana-Champaign, July 1987. Dr. Nori is currently an Associate Professor of Physics at the University of Michigan, Ann Arbor MI (USA).
3. Dr. Avinash Singh, PhD University of Illinois at Urbana-Champaign, January 1988. Dr. Singh is currently at the Indian Institute of Technology in Kanpur, India.
4. Dr. David Withoff, PhD University of Illinois at Urbana-Champaign, July 1988. Dr. Withoff is presently a member of the staff of Wolfram Research, Champaign IL (USA).
5. Dr. Cecilia von Reichenbach; PhD Universidad de La Plata (La Plata, Argentina) July 1988. Dr. von Reichenbach is currently a Professor of Physics at Universidad de La Plata, Argentina.
6. Dr. Joel Cannon; PhD University of Illinois at Urbana-Champaign, July 1989. Dr. Cannon is currently Professor of Physics at Washington and Jefferson College, Washington PA (USA).
7. Dr. Christopher Mudry, PhD University of Illinois at Urbana-Champaign, July 1994. Dr. Mudry is currently a permanent member of the staff of the Paul Scherrer Institute at Villigen, Switzerland.
8. Dr. Ana Maria López, PhD University of Illinois at Urbana-Champaign, July 1994. Formerly a Wolfson Research Fellow at the Department of Physics at Oxford University, Oxford, England, Dr. López is currently a member of CONICET (Argentina) at the Instituto de Física Balseiro in S. C. de Bariloche, Río Negro, Argentina.
9. Dr. Antonio Castro Neto, PhD University of Illinois at Urbana-Champaign, July 1994. Dr. Castro Neto is currently a Professor of Physics at Boston University, Boston MA (USA).
10. Dr. Manuel A. Fuentes, PhD University of Illinois at Urbana-Champaign, July 1995. Dr. Fuentes is currently at Oxford Brookes University, Oxford UK.

11. Dr. Carlos Cassanello, PhD University of Illinois at Urbana-Champaign, September 1996. PDRA at the University of Köln (Germany), at the Sloan Center for Theoretical neurobiology of the University of California San Francisco, and at the Department of Physics of the University of California Berkeley. Dr. Cassanello is currently a Postdoctoral Research Fellow at the Center for Neurobiology and Behavior of Columbia University of California, New York City.
12. Dr. Nancy P. Sandler, PhD University of Illinois at Urbana-Champaign, August 1998. Dr. Sandler is currently an Assistant Professor of Physics at the University of Ohio, Athens OH.
13. Dr. Eun-Ah Kim, PhD University of Illinois at Urbana-Champaign, August 2005. Dr. Kim is currently a postdoctoral research associate at the Department of Physics of Stanford University, Stanford CA.
14. Dr. Michael J. Lawler, PhD University of Illinois at Urbana-Champaign, July 2006. Dr. Lawler is now Postdoctoral Research Associate at the Department of Physics of the University of Toronto (Toronto, Ontario, Canada).

Masters Students:

1. Ms. Leticia Cugliandolo, MSc Universidad de La Plata (La Plata, Argentina) July 1989. Dr. Cugliandolo earned her PhD in 1992 and is currently at the École Normale Supérieure in Paris, France.

Postdoctoral Associates:

1. Dr. Wu-Pei Su (1983-1985, PhD university of Pennsylvania (1983)). Dr. Su is now Professor of Physics at the University of Houston, Houston TX (USA).
2. Dr. Elbio Dagotto (1985-1988), PhD Instituto Balseiro (1984). Dr. Dagotto is now a Professor of Physics at the University of Tennessee, Knoxville TN (USA), and a Group Leader at Oak Ridge National Laboratory.
3. Dr. Qian Niu (1984-1985), PhD University of Washington (1984). Dr. Niu is now Professor of Physics at the University of Texas at Austin, Austin TX (USA).
4. Dr. Adriana Moreo (1985-1988), PhD Instituto Balseiro (1985). Dr. Moreo is now a Professor of Physics at the University of Tennessee, Knoxville TN (USA).
5. Dr. Scott Renn (1987-1988), PhD University of Pennsylvania (1987). Dr. Renn is now Assistant Professor of Physics at the University of California at San Diego, La Jolla CA (USA).
6. Dr. Shoudan Liang (1988-1990). PhD University of Chicago, Chicago IL (1985). Dr. Liang was an Assistant Professor of Physics at Penn State University. He is now a Professor at the Department of Biostatistics and Applied Mathematics of The University of Texas M.D. Anderson Cancer Center, Houston TX (USA).
7. Dr. Enrique Moreno (1988-1990), PhD Universidad de La Plata (1987). Dr. Moreno is now a visiting professor of physics at West Virginia University, Morgantown, WV (USA).
8. Dr. Vadim Kalmeyer (1989-1990), PhD Stanford University (1989). Dr. Kalmeyer is now at IBM Almaden, San Jose CA (USA).
9. Dr. Lev Ioffe (1989-1990), PhD Landau Institute for Theoretical Physics (1988). Dr. Ioffe is now a Professor of Physics at Rutgers University, New Brunswick NJ (USA).
10. Dr. Eduardo R. Gagliano (1989-1992), PhD Instituto Balseiro (1987). Dr. Gagliano formerly at Instituto de Física Balseiro, Bariloche, Argentina. He died in 1998.
11. Dr. Silvia Bacci (1989-1992), PhD Instituto Balseiro (1989). Dr. Bacci is now at Instituto de Física Balseiro, Bariloche, Argentina.
12. Dr. Shivaji Sondhi (1992-1995), PhD UCLA (1992). Dr. Sondhi is now a Professor of Physics at Princeton University, Princeton NJ (USA).
13. Dr. Claudio C. Chamon (1995-1997), PhD MIT (1995); he is now Associate Professor of Physics at Boston University, Boston MA (USA).
14. Dr. José María Román Faúndez (1998-2002), PhD Universitat de Barcelona, Spain. he is currently on the permanent staff of the Consejo Superior de Investigación Científica, Madrid, Spain.
15. Dr. Daniel G. Barci (1999-2001), PhD Universidad de La Plata, Argentina (1995). He is now a tenured faculty member of the Departamento de Física, Universidad Estadual de Rio de Janeiro, RJ Brazil.

16. Dr. Wengsheng Vincent Liu (1999-2001), PhD University of Texas at Austin (1999). He was a Postdoctoral Research Associate at the Massachusetts Institute of Technology. He is now an Assistant Professor of Physics at the University of Pittsburgh, Pittsburgh PA (USA).
17. Dr. Eddy Ardonne (2002-2005), PhD University of Amsterdam (2002). He is currently a postdoctoral research associate at the Quantum Information Institute of Caltech and at Project Q of Microsoft Corporation.
18. Dr. Kumar Raman (2005-present), PhD Princeton University (2005). He is the current postdoc in my group.

Grants:

I have been supported by the National Science Foundation since 1982 through a variety of grants, and by the Department of Energy since 2006.

I am an Editor of the Journal of Statistical Mechanics: Theory and Experiment

I am a referee for Physical Review Letters, Physical Review B, Reviews of Modern Physics, Europhysics Letters, Nature, Science, Nuclear Physics B, Annals of Physics, American Journal of Physics, Journal of Mathematical Physics, and Cambridge University Press.

I am a referee for the following funding agencies: the US National Science Foundation, FOM (the National Science Foundation of The Netherlands), the US-Israel Binational Science Foundation, The John Simon Guggenheim Memorial Fellowship Foundation, Fundación Antorchas (Argentina), Agencia Nacional de Promocin Cientfica y Tecnolgica (Argentina), the Research Corporation, the National Science and Engineering Research Council of Canada, Ministerio de Ciencia y Tecnología (España), Fundación Nacional de Ciencia y Tecnología (Chile), Consejo nacional de Ciencia y Técnica (Argentina), Centre for the Advence Study of the University of Oslo (Norway), and the Sloan Foundation (USA).