Eun-Ah Kim

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Date of Birth: April 25, 1975, Republic of Korea

Academic History

9/05 - present	**Stanford University**, Stanford: Postdoctoral Scholar, Stanford Institute for Theoretical Physics *Supervisor: Steven A. Kivelson*
9/00 - 08/05	**University of Illinois**, Urbana-Champaign, Ph.D. Physics: *Thesis - "Transport in Tunnel Junctions involving Quantum Hall States" Advisor: Eduardo H. Fradkin*
3/98 - 2/00	**Seoul National University**, Republic of Korea, M.S. Physics: *Thesis - "Phase Transitions in Coupled Charge Density Wave Systems" Advisor: Moo Young Choi*
3/94 - 2/98	**Seoul National University**, Republic of Korea, B.S. Physics: *Thesis - "Chaotic Transitions in a Damped Pendulum under Parametric Driving" Advisor: Moo Young Choi*

Honors and Awards

4/05	John Bardeen Award, University of Illinois at Urbana-Champaign
4/05	Excellence in Teaching Award, University of Illinois at Urbana-Champaign
9/02	Korean Honor Scholarship
9/01 - 8/02	University of Illinois Fellowship
3/98 - 2/99	Seoul National University Graduate Honor Scholarship
3/98	Best T.A. Award for Physics Lab, Seoul National University
3/94 - 2/97	Seoul National University Scholarship

Related Experiences

2006 - present	Visiting Consultant, Microsoft Station Q.
2005 - present	Initiator and organizer, Weekly seminar for students and postdocs. http://www.stanford.edu/~eunahkim/jc

2003 - present	Participant, Aspen program on "Topological Phases and Quantum Computation" (2007), KITP mini program on "Electronic Properties of Graphene" (2007), Gordon conference on "Correlated Electron Systems" (2006), KITP program on "Topological Phases and Quantum Computation" (2006), Gordon conference on "Superconductivity" (2006).
2003, summer	Participant, Boulder Summer School "Frontiers in Magnetism".
2003 - 2004	Teaching Assistant, Field Theory Courses and Advanced Field Theory Courses.
2002	Teaching Assistant, Graduate Level Introductory Particle Physics.
1998 - 2002	Teaching Assistant, Undergraduate Courses on Quantum Mechanics, General Physics Lab and Introductory Particle Physics.

Invited Talks

March 2008	UCLA, *"In search of topological states of matter with fractionalized excitations.'*
March 2008	The APS March meeting, *"The theory of nodal nematic quantum criticality"*
February 2008	UCLA, Cornell and Stanford *"The theory of nodal nematic quantum criticality".*
December 2007	Sr_2RuO_4 and Chiral p-wave Superconductivity, mini program at KITP, *"1/2 quantum vortices, why and how".*
November 2007	Frontiers in Quantum Computation program, Princeton Center for Theoretical Physics, *"Hearing non-abelian statistics from a Moore-Read double point contact interferometer".*
November 2007	Princeton, *"Theory of the nematic quantum critical point in a nodal superconductor".*
October 2007	Future Directions Workshop at UT Austin, *"Electronic liquid crystals: emergent intermediate phases".*
September 2007	Mathematical Physics Workshop at UT Tyler and Quantum Computation Seminar series at UC Berkeley, *"Hearing non-abelian statistics from a Moore-Read double point contact interferometer".*
August 2007	University of Toronto, *"Theory of nodal nematic quantum phase transitions in superconductors " .*
July 2007	Aspen summer program, *"Fractional statistics and quantum Hall edge state interferometers" .*
May 2007	Geballe Laboratory for Advanced Materials Faculty Meeting at Stanford, *"Looking into small universes of many electrons in condensed matter systems"* (a short lecture for general public).
September 2006	Emerging Themes in Physics Workshop for Young Scientists at UT Austin, *"Self organized structure in strongly correlated electron fluids" .*
March 2006	The APS March meeting, *"In search of fractional statistics: Anyon there?" .*
October 2005	UC Berkeley, *"A proposal for measuring fractional charge and statistics in fractional quantum Hall states through noise experiments".*
April 2005	The Workshop on Non-Equlibrium and Correlation Effects in Low-Dimensional Structures, University of Minnesota, MN, *"Quantum Hall tunnel junctions: Luttinger liquid physics, quantum coherence effects, fractional quantum numbers".*

February 2005	Yale, Princeton, Harvard, Columbia, U of Toronto, Stanford, UBC, UCLA *"Quantum Hall tunnel junctions: natural settings for Luttinger liquid physics and quantum coherence effect".*
November 2003	Theory Seminar at UIUC, *" Double point contact in quantum Hall line junctions".*