CURRICULUM VITAE

HYUNGGYU PARK

Personal Data

Date of birth:	November 27, 1956
Place of birth:	Seoul, Korea
Citizenship:	Korean
Address:	School of Physics
	Korea Institute for Advanced Study (KIAS)
	Seoul 130-722, Korea
	Tel.: +82-2-958-3823 Fax: +82-2-958-3786
	E-mail: hgpark@kias.re.kr Homepage: http://chris.kias.re.kr/

Education and Professional Career

1975 - 1979	Department of Physics, Seoul National University, Korea (BS)
1979 - 1981	Department of Physics, Seoul National University, Korea (MS)
	Renormalization group approach to Dyson's hierarchical model
	(advisor: Koo Chul Lee and Doochul Kim)
1981 - 1982	military service (Korean army)
1982 - 1983	Department of Physics, University of California at Santa Cruz
1983 - 1988	Department of Physics, University of Washington, USA (PhD)
	Universal finite-size-scaling amplitudes in two dimensional critical phenomena
	(advisor: Marcel den Nijs)
1988 - 1990	Postdoctoral Research Associate, Department of Physics, Carnegie Mellon University
	(with Michael Widom)
1990 - 1992	Research Associate, Department of Physics, Boston University
	(with Sidney Redner)
1992 - 1996	Assistant Professor, Department of Physics, Inha University
1996 - 2001	Associate Professor, Department of Physics, Inha University
1998 - 1999	Visiting Scientist, Department of Physics, University of Washington
1999 - 2001	Chair of Department of Physics, Inha University
2001 - 2002	Professor, Department of Physics, Inha University
2002 - Present	Professor, School of Physics, KIAS
2003 - 2006	Steering Committee Member of KIAS
2005 - 2006	Chair of School of Physics, KIAS
2006 - 2008	Chair of Statistical Division of the Korean Physical Society
2007 - 2009	Program Manager, Korea Research Foundation
2007	Dean of Faculty, KIAS
2008 - 2009	Vice President, KIAS
2009 - 2010	Visiting Professor, Department of Physics, University of Washington
2010 - present	Review Board Member, National Research Foundation of Korea
2010 - present	Member of Basic Research Promotion Commission, National Science & Technology Council

Awards and Prizes

1986 Joseph H. Weis Prize at University of Washington
2008 Haksul (Science) award from the Korean Physical Society

Research Interests

- Phase transitions and critical phenomena
- Finite size scaling and conformal field theory
- Quasicrystals and incommensurate systems
- Chemical reactions and crystal growth models
- Science of complexity and living systems
- Nonequilibrium phase transitions with absorbing states
- Self-organized criticality
- Constrained random walks and localization problems
- Phase synchronization and frequency entrainment
- Reaction diffusion systems in low dimensions
- Traffic flows
- Networks
- percolation
- Ratchet models and molecular motors
- Spontaneous current and symmetry breaking in nonequilibrium systems
- Nonequilibrium fluctuation theorems and large deviation functions

Publications (SCI referred)

1. *Rectification of spatial disorder*
   Jaegon Um, Hyunsuk Hong, Fabio Marchesoni, and Hyunggyu Park
   Phys. Rev. Lett. 108, 060601 (2012).

2. *Continuity of the explosive percolation transition*
   Hyun Keun Lee, Beom Jun Kim, and Hyunggyu Park
   Phys. Rev. E 84, 020101(R) (2011).

3. *Scaling of cluster heterogeneity in percolation transitions*
   Jae Dong Noh, Hyun Keun Lee, and Hyunggyu Park
   Phys. Rev. E 84, 010101(R) (2011).

4. *Non-equilibrium fluctuations for linear diffusion dynamics*
   Chulan Kwon, Jae Dong Noh and Hyunggyu Park
   Phys. Rev. E 83, 061145 (2011).

5. *Collective helping and bystander effects in coevolving helping networks*
   Hang-Hyun Jo, Hyun Keun Lee, and Hyunggyu Park
   Phys. Rev. E 81, 066108 (2010).

6. *Critical behavior of the Ising model in annealed scale-free networks*
   Sang Hoon Lee, Meesoon Ha, Hawoong Jeong, Jae Dong Noh, and Hyunggyu Park
   Phys. Rev. E 80, 051127 (2009).

7. *Relaxation dynamics of an elastic string in random media*
   Jae Dong Noh and Hyunggyu Park
   Phys. Rev. E 80, 040102(R) (2009).

8. *Critical behavior of the contact process in annealed scale-free networks*
   Jae Dong Noh and Hyunggyu Park
   Phys. Rev. E 78, 041128 (2009).

9. *Crossover from the parity-conserving pair contact process with diffusion to other universality classes*
   Su-Chan Park and Hyunggyu Park
   Phys. Rev. E 79, 051130 (2009).

10. *Kinetics of a non-glauberian Ising model: global observables and exact results*
    Sreedhar B. Dutta, Malte Henkel, and Hyunggyu Park
    J. Stat. Mech. P03023 (2009).

11. *Three different routes from the directed Ising to the directed percolation class*
    Su-Chan Park and Hyunggyu Park
    Phys. Rev. E 78, 041128 (2008).

12. *Nonequilibrium phase transitions into absorbing states: Focused around the pair contact process with diffusion*
    Su-Chan Park and Hyunggyu Park
    Eur. Phy. J. B 64, 415 (2008).

13. *Boundary-induced abrupt transition in the symmetric exclusion process*
    Apoorva Nagar, Meesoon Ha, and Hyunggyu Park
    Phys. Rev. E 77, 061118 (2008).

14. *Finite-size scaling of synchronized oscillation on complex networks*
    Hyunsuk Hong, Hyunggyu Park, and Lei-Han Tang
    Phys. Rev. E 76, 066104 (2007).

15. *Nontrivial critical crossover between directed percolation models: Effect of infinitely many absorbing states*
    Su-Chan Park and Hyunggyu Park
    Phys. Rev. E 76, 051123 (2007).

16. *Entrainment transition in populations of random frequency oscillators*
    Hyunsuk Hong, Hyunggyu Park, and Lei-Han Tang
    Phys. Rev. Lett. 99, 184101 (2007).

17. *Construction of equilibrium networks with an energy function*
Daun Jeong, M. Y. Choi, and Hyunggyu Park
J. Phys. A 40, 9723 (2007).

18. *Dynamic instability transitions in 1D driven diffusive flow with non-local hopping*
Meesoon Ha, Hyunggyu Park, and Marcel den Nijs
Phys. Rev. E 75, 061131 (2007).

19. *Finite-size scaling in complex networks*
Hyunsuk Hong, Meesoon Ha, and Hyunggyu Park
Phys. Rev. Lett. 98, 258701 (2007).

20. *Comment on " Non-mean-field behavior of the contact process on scale-free networks"*
Meesoon Ha, H. Hong, and Hyunggyu Park
Phys. Rev. Lett. 98, 029801 (2007).

21. *Anomalous Binder cumulant and lack of self- averageness in systems with quenched disorder*
Hyunsuk Hong, Hyunggyu Park, and Lei-Han Tang
J. Korean Phys. Soc. 49, L1885 (2006).

22. *Equivalence of operator-splitting schemes for the integration of the Langevin equation*
H. K. Lee, C. Kwon, and Hyunggyu Park
J. Stat. Mech. P08021 (2006).

23. *Crossover from the pair contact proces with diffusion to directed percolation*
Su-Chan Park and Hyunggyu Park
Phys. Rev. E 73, 025105(R) (2006).

24. *Collective synchronization in spatially extended systems of coupled oscillators with random frequencies*
H. Hong, Hyunggyu Park, and M. Y. Choi
Phys. Rev. E 72, 036217 (2005).

25. *Generating function for particle-number probability distribution in directed percolation*
Lucian Anton, Hyunggyu Park, and Su-Chan Park
J. Phys. A 38, 8187 (2005).

26. *Asymmetrically coupled directed percolation systems*
Jae Dong Noh and Hyunggyu Park
Phys. Rev. Lett. 94, 145702 (2005).

27. *Slow relaxation in the Ising model on a small-world network with strong long-range interactions*
Daun Jeong, M. Y. Choi, and Hyunggyu Park
Phys. Rev. E 71, 036103 (2005).

28. *Driven pair contact process with diffusion*
Su-Chan Park and Hyunggyu Park
Phys. Rev. Lett. 94, 065701 (2005).

29. *Scale-free dynamics emerging from information transfer*
M. Y. Choi, Beom Jun Kim, B.-G. Yoon, and Hyunggyu Park
Europhys. Lett. 69, 503 (2005).

30. *Cluster mean field approximations with the coherent anomaly method analysis for the driven pair contact process with diffusion*
Su-Chan Park and Hyunggyu Park
Phys. Rev. E 71, 016137 (2005).

31. *Collective phase synchronization in locally-coupled limit-cycle oscillators*
H. Hong, Hyunggyu Park, and M. Y. Choi
Phys. Rev. E 70, 045204(R) (2004).

32. *Factors that predict better synchronizability on complex networks*
H. Hong, Beom Jun Kim, M. Y. Choi, and Hyunggyu Park
Phys. Rev. E 69, 067105 (2004).

33. *Stability of vacuum in coupled directed percolation processes*
Sungchul Kwon and Hyunggyu Park
Phys. Rev. E 69, 066125 (2004).

34. *Universality class of absorbing transitions with continuously varying exponents*
Jae Dong Noh and Hyunggyu Park
Phys. Rev. E 69, 016122 (2004).

35. *Comment on "Restricted curvature model with suppression of extremal height"*
Hyunggyu Park
Phys. Rev. E 68, 053601 (2003).

36. *Fluctuations of self-flattening surfaces*
Yup Kim, S. Y. Yoon, and Hyunggyu Park
Phys. Rev. E 66, 040602(R) (2002).

37. *Dynamic surface structures in multiparticle-correlated surface growths*
Yup Kim, T. S. Kim, and Hyunggyu Park
Phys. Rev. E 66, 046123 (2002).

38. *Anomalous roughness, localization, and globally constrained random walks*
Jae Dong Noh, Hyunggyu Park, Doochul Kim, and Marcel den Nijs
Phys. Rev. E 64, 046131 (2001).

39. *Two-species branching annihilating random walks with one offspring*
Sungchul Kwon and Hyunggyu Park
J. Korean Phys. Soc. 38, 490 (2001).

40. *Relaxation of non-order parameter field in directed Ising systems*
Heung Sik Park and Hyunggyu Park
J. Korean Phys. Soc. 38, 494 (2001).

41. *Does hard core interaction change absorbing-type critical phenomena?*
Sungchul Kwon, Jysoo Lee, and Hyunggyu Park
Phys. Rev. Lett. 85, 1682 (2000).

42. *Anomalous roughness for dimer type surface growth*
Jae Dong Noh, Hyunggyu Park, and Marcel den Nijs
Phys. Rev. Lett. 84, 3891 (2000).

43. *Absorbing-state critical phenomena in interacting surface reaction models*
Hyunggyu Park and Sungchul Kwon
Brazilian J. Phys. 30, 133 (2000).

44. *Particle dynamics in a mass-coalescence process*
Meesoon Ha, Hyunggyu Park, and Marcel den Nijs
J. Phys. A 32, L495 (1999).

45. *Active width at a slanted active boundary in directed percolation*
Chun-Chung Chen, Hyunggyu Park, and Marcel den Nijs
Phys. Rev. E 60, 2496 (1999).

46. *Dynamic behavior of driven interfaces in models with two absorbing states*
Sungchul Kwon, WonMuk Hwang, and Hyunggyu Park
Phys. Rev. E 59, 4949 (1999).

47. *Interacting monomer-dimer model with infinitely many absorbing states*
WonMuk Hwang and Hyunggyu Park
Phys. Rev. E 59, 4683 (1999).

48. *Directed Ising type dynamic preroughening transition in one dimensional interfaces*
Jae Dong Noh, Hyunggyu Park, and Marcel den Nijs
Phys. Rev. E 59, 194 (1999).

49. *Critical phenomena of nonequilibrium dynamical systems with two absorbing states*
WonMuk Hwang, Sungchul Kwon, Heungwon Park, and Hyunggyu Park
Phys. Rev. E 57, 6438 (1998).

50. *Reentrant phase diagram of branching annihilating random walks with one and two offspring*
Sungchul Kwon and Hyunggyu Park
Phys. Rev. E 52, 5955 (1995).

51. *Critical behavior of an absorbing phase transition in an interacting monomer-dimer model*
Hyunggyu Park and Heungwon Park
Physica A 221, 97 (1995).

52. *Dynamic scaling behavior of an interacting monomer-dimer model*
Heungwon Park, Mann Ho Kim, and Hyunggyu Park
Phys. Rev. E 52, 5664 (1995).

53. *Exact solutions of a restricted ballistic deposition model on a one-dimensional staircase*
Hyunggyu Park, Meesoon Ha, and In-mook Kim
Phys. Rev. E 51, 1047 (1995).

54. *Critical behavior of an interacting monomer-dimer model*
Mann Ho Kim and Hyunggyu Park
Phys. Rev. Lett. 73, 2579 (1994).

55. *Three-state Potts model on a triangular lattice*
Hyunggyu Park
Phys. Rev. B 49, 12881 (1994).

56. *Dynamic scaling theory of $A + B \rightarrow$ surface reaction*
In-mook Kim, Hyunjoo Kim, and Hyunggyu Park
J. Korean Phys. Soc. 26, S406 (1993).

57. *The antiferromagnetic three-state Potts model on a triangular lattice*
Hyunggyu Park and Tong Chull Chey
J. Korean Phys. Soc. 26, S399 (1993).

58. *Critical behavior of surface-reaction models*
Mann Ho Kim and Hyunggyu Park
J. Korean Phys. Soc. 26, S345 (1993).

59. *Critical behavior of an interacting surface reaction model*
Jun Zhuo, Sidney Redner, and Hyunggyu Park
J. Phys. A 26, 4197 (1993).

60. *Excluded volume effect in heterogeneous catalysis: reactions between 'dollars' and 'dimes'*
Hyunggyu Park, Joachim Koeler, In-mook Kim, Daniel ben-Avraham,and Sidney Redner
J. Phys. A 26, 2071 (1993).

61. *Triviality of the critical exponents of directed self-avoiding walks on Sierpinsky carpets*
Mann Ho Kim, Jysoo Lee, Hyunggyu Park, and In-mook Kim
J. Phys. A 25, L453 (1992).

62. *Phase diagram of a random tiling quasicrystal*
Weixiong Lee, Hyunggyu Park, Michael Widom
J. Stat. Phys. 66, 1 (1992).

63. *Interface growth with competing surface currents*
Hyunggyu Park, Astro Provata, and Sidney Redner
J. Phys. A 24, L1391 (1991).

64. *Logarithmic singularity in the surface free energy near commensurate-incommensurate transitions*
Weixiong Lee and Hyunggyu Park
J. Phys. A 24, 257 (1991).

65. *Conformal invariance in incommensurate phases*
Hyunggyu Park and Michael Widom
J. Stat. Phys. 61, 51 (1990).

66. *Finite-size-scaling amplitudes in a random tiling model*
Weixiong Lee, Hyunggyu Park, and Michael Widom
J. Phys. A 23, L573 (1990).

67. *Universal finite-size-scaling amplitudes on a torus for the triangular Ising lattice gas*
Hyunggyu Park
J. Phys. A 23, 1789 (1990).

68. *Finite-size-scaling amplitudes of the incommensurate phase*
Hyunggyu Park and Michael Widom
Phys. Rev. Lett. 64, 1076 (1990).

69. *Exact results on the antiferromagnetic three state Potts model*
Hyunggyu Park and Michael Widom
Phys. Rev. Lett. 63, 1193 (1989).

70. *Universal finite-size-scaling amplitudes of interfacial free energies in Monte Carlo simulations*
Hyunggyu Park and Marcel den Nijs
J. Phys. A 22, 3663 (1989).

71. *Universal finite-size-scaling amplitudes of the Potts model on a torus*
Hyunggyu Park and Marcel den Nijs
Phys. Rev. B 38, 565 (1988).

72. *Anisotropic honeycomb domain wall networks in uniaxial systems*
Hyunggyu Park, Eberhard K. Riedel, and Marcel den Nijs
Ann. Phys. 172, 419 (1986).

73. *Large q expansion of the Potts model susceptibility and magnetization in two and three dimensions*
Hyunggyu Park and Doochul Kim
J. Korean Phys. Soc. 15, 55 (1982).

Professional Activities

1. **Recent Invited Lectures (international/selected)**

   - *Dynamic phase transitions in large work production of linear diffusion systems*
   APS March meeting
   Boston, USA (February 2012) [contributed]
   - *Introductory review on fluctuation theorems*
   Fluctuation theorems & Interdisciplinary applications
   KITPC, Beijing, China (December 2011)

- *Synchronization and fluctuation in a large population of coupled random frequency oscillators*
  Department Colloquium
  Univ. of Würzburg, Würzburg, Germany (November 2011)
- *Continuity of the explosive percolation transition*
  International Seminars on Large Fluctuations of Nonequilibrium Systems
  MPI, Dresden, Germany (July 2011)
- *Continuity of the explosive percolation transition*
  Interdisciplinary Applications of Statistical Physics & Complex Networks
  KITPC, Beijing, China (March 2011)
- *Phase transitions on networks: Annealed versus quenched*
  Interdisciplinary Applications of Statistical Physics & Complex Networks
  KITPC, Beijing, China (March 2011)
- *Spontaneous current and negative mobility in a system of random frequency oscillators*
  NIMS Hot Topics Workshop on Applied dynamical systems
  NIMS, Daejeon, Korea (December 2010)
- *Relaxation dynamics of an elastic string in random media*
  CSRC Workshop on High Performance Computing
  CSRC, Beijing, China (December 2010)
- *Relaxation dynamics of an elastic string in random media*
  APCTP Workshop on Current Progress of Simulations in Complex Systems
  APCTP, Pohang, Korea (November 2010)
- *Spontaneous current induced by symmetry breaking in a system of random frequency oscillators*
  Workshop on Dynamics of Complex Systems 2010
  Univ. of Brasilia, Brasilia, Brazil (September 2010)
- *Current issues in nonequilibrium processes*
  US-Korea Conference on Science, Technology, and Entrepreneurship (UKC 2010)
  Seattle, USA (August 2010)
- *Spontaneous current induced by symmetry breaking in a system of random frequency oscillators*
  24th IUPAP International Conference on Statistical Physics (STATPHYS 24)
  Cairns, Queensland, Australia (July 2010) [contributed]
- *Spontaneous current induced by symmetry breaking in a system of random frequency oscillators*
  StatPhysHK: Complexity, Computation, and Information
  HKBU, Hong Kong, China (July 2010)
- *Synchronization and entrainment in coupled random frequency oscillators*
  Workshop on Consensus, Flocking, and Synchronization of Interacting Systems
  SNU, Seoul, Korea (February 2010)
- *Collective synchronization in a large population of random frequency oscillators*
  22nd Marian Smoluchowski Symposium on Statistical Physics
  Zakopane, Poland (September 2009)
- *Collective synchronizations and fluctuations*
  Department Colloquium
  Bogazici Univ., Istanbul, Turkey (May 2009)

- *Collective ratchets: Spontaneous current induced by symmetry breaking*
  Symposium "Physics beyond the Cutting Edge"
  Sun Yat-sen Univ., Guangzhou, China (April 2009)
- *Synchronization and fluctuation in coupled random frequency oscillators*
  International Workshop on Many-body systems far from equilibrium: Fluctuations, slow dynamics, and long-range interactions
  MPI, Dresden, Germany (February 2009)
- *Finite size scaling in quenched and annealed scale-free networks*
  International Conference on Complex Networks: Past 10 Years and Future
  SNU, Seoul, Korea (December 2008)
- *Symmetry breaking, spontaneous current, and negative mobility in coupled random frequency oscillators*
  International Workshop on Noise in complex systems: From molecular dynamics to stochastic modeling
  KAIST, Daejeon, Korea (October 2008)
- *Synchronization and fluctuation in populations of random frequency oscillators*
  Dynamics Days Asia Pacific 5: The 5th International Conference on Nonlinear Science
  Nara, Japan (September 2008)
- *Collective synchronization in coupled random frequency oscillators*
  KITPC Program: Collective dynamics in information systems
  KITPC, Beijing, China (March 2008)
- *Finite size scaling in complex networks: Ising, contact process, and synchronization*
  cnet2007 Workshop on Complex Networks
  Amares-Braga, Portugal (December 2007)
- *Collective synchronization in coupled random frequency oscillators*
  Department Colloquium
  Univ. Henry Poincare, Nancy, France (October, 2007)
- *Dynamic instability transitions in 1D driven diffusive flow with non-local hopping*
  International Workshop on Fluctuation and Dissipation Phenomena in Driven Systems far from Equilibrium: STATPHYS 23 satellite meeting
  MPI, Dresden, Germany (July 2007) [contributed]
- *Nonequilibrium phase transitions into absorbing states – focused around PCPD*
  23rd IUPAP International Conference on Statistical Physics (STATPHYS 23)
  Genova, Italy (July 2007)
- *Synchronization transitions in populations of random frequency oscillators*
  International Workshop on Physics of Fluctuations far from Equilibrium: STATPHYS 23 satellite meeting
  MPI, Dresden, Germany (July 2007)
- *Finite size scaling in complex networks*
  Condensed matter group seminar
  CEA, Saclay, France (June 2007)

- *Pair contact process with diffusion (PCPD) at present*
  3rd China-Singapore Joint Symposium on Research Frontiers in Physics
  Xiamen University, Xiamen, China (May 2007)
- *Finite Size Scaling in Complex Networks*
  International Conference on Recent Advances in the Interdisciplinary Applications of Statistical Physics
  ICTS, Beijing, China (September 2006)
- *On absorbing phase transitions*
  Asia/Pacific School on Statistical Physics and Interdisciplinary Applications
  ICTS, Beijing, China (September 2006) [school lecturer]
- *Asymmetrically Coupled Directed Percolation Systems*
  International Conference on the Frontiers of Nonlinear and Complex Systems
  HKBU, Hong Kong, China (May 2006)
- *Finite Size Scaling in Complex Networks*
  China-Singapore Joint Symposium on Research Frontiers in Physics
  Zhejiang U, Hangzhou, China (May 2006)
- *Overview of Absorbing Phase Transitions*
  Department Colloquium
  HKBU, Hong Kong, China (December 2005)
- *Asymmetrically Coupled Directed Percolation Systems*
  3rd NEXT $\Sigma\Phi$ International Conference - News, Expectations and Trends in Statistical Mechanics
  OAC, Kolymbari, Greece (August 2005) [keynote speaker]
- *Overview of Absorbing Critical Phenomena*
  Lorentz Center Workshop on Collective Aspects of Stochastic Nonequilibrium Phenomena at Surfaces and Interfaces
  Lorentz Center, Leiden, Netherlands (June 2004)
- *Universality Classes of Absorbing Phase Transitions*
  Department Seminar
  U Manchester, Manchester, United Kingdom (October 2003)
- *Generalized Pair Contact Process with Diffusion*
  International Seminar on Nonequilibrium Statistical Physics in Low Dimensions and Reaction Diffusion Systems
  MPI, Dresden, Germany (September 2003)

2. **Recent Organization of Conferences and Workshops (international/selected)**

- *Ease Asia Joint Seminars on Statistical Physics 2012*
  Suzhou, China (March 2012) [organizing co-chair]
- *4th KIAS Conference on Statistical Physics: Nonequilibrium Statistical Physics of Complex Systems (STATPHYS24 satellite meeting)*
  KIAS, Korea (July 2010) [organizing chair]

- *24th IUPAP International Conference on Statistical Physics (STATPHYS24)*
  Cairns, Australia (July 2010) [international advisory committee member and topic committee member]
- *StatphysHK: Complexity, Computation, and Information (STATPHYS24 satellite meeting)*
  Hong Kong, China (July 2010) [coorganizer]
- *3rd KIAS Conference on Statistical Physics: Nonequilibrium Statistical Physics of Complex Systems*
  KIAS, Korea (July 2008) [organizing chair]
- *Asia-Pacific Physics Conference 10*
  Gyeongju, Korea (August 2007) [coorganizer/program committee member]
- *23rd IUPAP International Conference on Statistical Physics (STATPHYS23)*
  Genova, Italy (July 2007) [international advisory committee member]
- *2006 Dynamics Days Asia-Pacific 4: The 4th International Conference on Nonlinear Science*
  Pohang, Korea (July 2006) [coorganizer]
- *2nd KIAS Conference on Statistical Physics: Nonequilibrium Statistical Physics of Complex Systems*
  KIAS, Korea (July 2006) [organizing chair]
- *Satellite Meeting of STATPHYS22 in Seoul: Nonequilibrium Statistical Physics of Complex Systems*
  KIAS, Korea (June-July 2004) [organizing chair]
- *7th APCTP Winter School on Granular Material and Complex Systems*
  Pyungchang, Korea (February 2003) [coorganizer]
- *6th APCTP Winter school on Scaling and Phase Transitions in Complex Systems*
  Pohang, Korea (February 2002) [coorganizer]

3. **PhD Students and Postdoctoral fellows supervised**

- *Current Members*
  (a) Dr. Seung Ki Baek (Jan. 2012-) [from Umea U., Sweden]
  (b) Dr. Xavier Durang (Nov. 2011-) [from U. Nancy, France]
  (c) Dr. Jae Sung Lee (Sep. 2011-) [from SNU, Korea] (president postdoc fellowship)
  (d) Dr. Kwangmoo Kim (Sep. 2011-) [from U. Maryland, USA]
  (e) Dr. Jaegon Um (Sep. 2009-) [from Postech, Korea]
- *Past Members*
  (a) Dr. Myoung Won Cho (Sep. 2008-Feb. 2012) [from SNU, Korea], now professor at Sungshin Woman's Univ., Seoul, Korea.
  (b) Dr. Hang-Hyun Jo (Sep. 2006-Aug. 2010) [from KAIST, Korea], now research fellow at Aalto Univ., Aalto, Finland.
  (c) Dr. Hyuk Kang (Mar. 2008-Feb. 2010) [from SNU, Korea], now research fellow at NIMS, Daejeon, Korea.
  (d) Dr. Sreedhar B. Dutta (Mar. 2005-Mar. 2009) [from TIFR, India], now professor at IISER, Trivandrum, India.

(e) Dr. Hyun Keun Lee (May 2005-June 2008) [from SNU, Korea], now research professor at University of Seoul, Korea.

(f) Dr. Apoorva Nagar (Jan. 2007-May 2008) [from TIFR, India], now professor at IIST, Trivandrum, India.

(g) Dr. Meesoon Ha (Aug. 2003-Aug. 2006) [from U Washington, Seattle], now professor at Chosun Univ., Gwangju, Korea.

(h) Dr. Su-Chan Park (Mar. 2003-Apr. 2006) [from SNU, Korea], now professor at Catholic University, Bucheon, Korea.

(i) Dr. Heung Sik Park (PhD in Aug. 2005) [at Inha U, Korea], now technical staff at Hynix semiconductor research laboratory, Korea.

(j) Dr. Hyunsuk Hong (Sep. 2002-Aug. 2004) [from SNU, Korea], now professor at Chonbuk National University, Jeonju, Korea.

(k) Dr. Sungchul Kwon (PhD in Aug. 2002) [at Inha U, Korea], now research professor at Kyung Hee University, Seoul, Korea.

(l) Dr. Lucian Anton (Sep. 2001-Aug. 2002) [from IAP, Romania], now a research fellow at University of Manchester.

(m) Dr. Jae Dong Noh (Mar. 2000-Aug. 2000) [from SNU, Korea], now professor at University of Seoul.