

Curriculum Vitae

Chan Youn Park

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CONTACT INFORMATION

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Piscataway, NJ 08854-8019, USA
- Citizenship Korea, Republic of (South)

RESEARCH INTEREST

- Study of quantum field theories and their non-perturbative aspects via string theory.
- Topics at the intersection of physics, mathematics, and computational science.

EDUCATION AND EMPLOYMENT HISTORY

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|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sep. 2014 – Present | Rutgers University, Piscataway, NJ, USA <ul style="list-style-type: none">• Postdoctoral Fellow |
| Oct. 2007 – Jun. 2014 | California Institute of Technology, Pasadena, CA, USA <ul style="list-style-type: none">• Ph.D. in Physics• Adviser: John H. Schwarz |
| Mar. 2001 – Aug. 2007 | Seoul National University, Korea <ul style="list-style-type: none">• B.S. in Physics, Minor in Mathematics• Summa cum laude & ranked 1st in the department |
| Oct. 2004 – Dec. 2005 | Staff of R&D center, PSIA Corp. (now Park Systems Corp.), Korea <ul style="list-style-type: none">• System programmer for atomic force microscopes• Substitute for mandatory military service |
| Oct. 2003 – Oct. 2004 | Staff of R&D div., Softwise Inc., Korea <ul style="list-style-type: none">• Web & server programmer• Substitute for mandatory military service |

LIST OF PUBLICATIONS

- P. Longhi, C. Y. Park, *ADE Spectral Networks and Decoupling Limits of Surface Defects*, *JHEP* **02** (2017) 011, [[arXiv:1611.09409](#)]
- P. Longhi, C. Y. Park, *ADE Spectral Networks*, *JHEP* **08** (2016) 087, [[arXiv:1601.02633](#)]
- C. Y. Park, *2d SCFT from M-branes and Its Spectral Network*, *String-Math 2013, Proceedings of Symposia in Pure Mathematics*, [[arXiv:1401.2207](#)]
- K. Maruyoshi, C. Y. Park, W. Yan, *BPS Spectrum of Argyres-Douglas Theory via Spectral Network*, *JHEP* **12** (2013) 092, [[arXiv:1309.3050](#)]

- K. Hori, C. Y. Park, Y. Tachikawa, *2d SCFTs from M2-branes*, *JHEP* **11** (2013) 147, [[arXiv:1309.3036](#)]
- C. Y. Park, *Ramification Points of Seiberg-Witten Curves*, *JHEP* **07** (2011) 068, [[arXiv:1102.0288](#)]

LIST OF INVITED TALKS

- Jul. 14, 2016 *A String Theorist's Journey with Python*, SciPy 2016
- Apr. 01, 2016 *Supersymmetric Spectroscopy with Spectral Network*, Perimeter
- Mar. 09, 2016 *Supersymmetric Spectroscopy with Spectral Network*, Uppsala
- Mar. 04, 2016 *Supersymmetric Spectroscopy with Spectral Network*, Imperial
- Feb. 03, 2016 *Stroll along the Walls with Python*, KIAS
- Jan. 25, 2016 *Stroll along the Walls with Python*, Kavli IPMU
- Nov. 05, 2014 *BPS spectra of supersymmetric theories*, UT Austin
- Sep. 10, 2013 *BPS spectrum of Argyres-Douglas theory via spectral network*, Kavli IPMU
- Sep. 05, 2013 *2d SCFT from M2-branes*, KIAS
- Sep. 02, 2013 *BPS spectrum of SCFT via spectral network*, KIAS
- Jun. 19, 2013 *2d SCFT from M2-branes*, String-Math Conference 2013, SCGP
- May 23, 2013 *Spectral network and BPS spectrum of SCFT*, N=2 JAAZ II Workshop, McGill
- Jun. 20, 2012 *Ramification Points of Seiberg-Witten Curves*, N=2 JAAZ Workshop, McGill
- Mar. 13, 2012 *Ramification Points of Seiberg-Witten Curves*, IPMU
- Aug. 22, 2011 *Origami of a Gaiotto Curve from a Seiberg-Witten Curve*, McGill
- Jul. 11, 2011 *Ramification Points of Seiberg-Witten Curves*, KIAS

SCHOLARSHIPS AND AWARDS

- Scholarship recipient, Samsung Scholarship (2007 – 2012)
- Superior Academic Performance Scholarship, Seoul National University (2001 – 2007)
- GE Scholarship, General Electric Foundation (2003 – 2007)
- Scholarship for Distinguished Undergraduates, Korea Foundation for Advanced Studies (2002 – 2007)
- Entrance Scholarship, Seoul National University, (2001)
- Gold Award in National Physics Olympiad, Seoul National University (2000)
- Silver Certificate in the 31st International Physics Olympiad (2000)
- Gold Award in Korean Physics Olympiad, the Korean Physical Society (2000)
- Gold Award in National Mathematics Olympiad, Korea University (2000)

TEACHING EXPERIENCE

- Oct. 2013 Substitute Lecturer (2 lectures) for Ph129, *Mathematical Methods of Physics*, Caltech
- 2012 – 2014 Teaching Assistant for Ph106, *Topics in Classical Physics*, Caltech
- 2011 – 2012 Teaching Assistant for Ph129, *Mathematical Methods of Physics*, Caltech
- 2010 – 2011 Teaching Assistant for Ph106, *Topics in Classical Physics*, Caltech
- 2008 – 2010 Teaching Assistant for Ph129, *Mathematical Methods of Physics*, Caltech
- 2007 – 2008 Teaching Assistant for Ph125, *Quantum Mechanics*, Caltech
- 2001 – 2002 Teaching Assistant at Physics Winter School for high school students, the Korean Physical Society

WORKSHOP PARTICIPATION

- Aug. 2016 [Quantum Machine Learning](#), Perimeter
- Jul. 2016 [2016 Simons Summer Workshop in Mathematics and Physics](#), SCGP
- Aug. 2015 [2015 Simons Summer Workshop in Mathematics and Physics](#), SCGP
- Dec. 2014 [Mathematical Aspects of Six-Dimensional Quantum Field Theories](#), UC Berkeley
- Aug. 2014 [12th Simons Summer Workshop in Mathematics and Physics](#), SCGP
- Aug. 2013 [11th Simons Summer Workshop in Mathematics and Physics](#), SCGP
- May. 2013 [N=2 JAAZ II Workshop](#), McGill
- Aug. 2012 [10th Simons Summer Workshop in Mathematics and Physics](#), SCGP
- Jun. 2012 [N=2 JAAZ Workshop](#), McGill
- Aug. 2011 [9th Simons Summer Workshop in Mathematics and Physics](#), SCGP
- Jul. 2010 [8th Simons Workshop in Mathematics and Physics](#), SCGP

CONFERENCE AND SCHOOL PARTICIPATION

- Jul. 2016 [SciPy 2016](#), Austin, TX
- Jul. 2015 [SciPy 2015](#), Austin, TX
- Jun. 2015 [Prospects in Theoretical Physics 2015](#), IAS
- Jun. 2014 [Strings 2014](#), Princeton University
- Jun. 2014 [Prospects in Theoretical Physics 2014](#), IAS
- Jan. 2014 [Quantum Fields beyond Perturbation Theory](#), KITP
- Jun. 2013 [String-Math Conference 2013](#), SCGP
- May. 2013 [Geomtry and Physics 2013](#), Centre de Recherches Mathématiques
- Jun. 2012 [Cargese Summer School](#), IESC
- Jul. 2011 [Mathematica Summer School on Theoretical Physics](#), Perimeter Institute
- Oct. 2010 [Master Class: Wall-crossing](#), Aarhus University