

Curriculum Vitae

Jayme Kim

CONTACT INFORMATION

Address Department of Physics and Astronomy
Montclair State University
Montclair, NJ 07043

Office phone +1 973-655-7685

Email kimji@montclair.edu

EDUCATION

Ph.D. in Physics
New York University, New York, NY Sep. 2015

B.S. in Physics with Minor in Mathematics
Korea Advanced Institute of Science and Technology, Daejeon, South Korea Feb. 2007

ACADEMIC POSITIONS

VISITING ASSISTANT PROFESSOR
Montclair State University, Montclair, New Jersey Sep. 2019 - Present

ADJUNCT INSTRUCTOR
New York University, New York, New York Jan. 2019 - May 2019

ADJUNCT ASSISTANT PROFESSOR
Long Island University, Brooklyn, New York Sep. 2018 - May 2019

ADJUNCT FACULTY
Westchester Community College, Westchester County, New York Feb. 2018 - Dec. 2018

ADJUNCT ASSISTANT PROFESSOR
New York University, New York, New York Sep. 2017 - May 2018

RESEARCH FELLOW
Institute for Basic Science, Deajeon, South Korea Jul. 2016 - Nov. 2016

RESEARCH FELLOW
Seoul National University, Seoul, South Korea Nov. 2015 - Jul. 2016

RESEARCH INTERESTS

Quantum gravity	string theory, three-dimensional gravity, AdS/CFT correspondence, holographic reconstruction, topology changing processes
Black hole physics	black hole microstates, black hole geometry
Quantum field theory	analytic continuation of Chern-Simons theory, compactified theories of six-dimensional superconformal field theory, deformed CFT's

TEACHING EXPERIENCE

VISITING ASSISTANT PROFESSOR

Montclair State University, Montclair, NJ

Oscillations, Waves, and Optics	Fall 2019
University Physics I	Fall 2019

ADJUNCT INSTRUCTOR

New York University, New York, NY

Graduate Quantum Mechanics 2 (Recitation)	Spring 2019
General Physics 2 (Lab)	Spring 2019

ADJUNCT ASSISTANT PROFESSOR

Long Island University, Brooklyn, New York

Electricity and Magnetism I & II	Fall 2018 & Spring 2019
Physics for Pharmacy	Fall 2018 & Spring 2019

ADJUNCT FACULTY

Westchester Community College, Westchester County, New York

Engineering Physics 1	Fall 2018
Engineering Physics 2	Spring 2018
College Physics 2	Spring 2018

ADJUNCT ASSISTANT PROFESSOR

New York University, New York, NY

History of the Universe	Fall 2017 & Spring 2018
-------------------------	-------------------------

ADJUNCT INSTRUCTOR

New York University, New York, NY

Graduate Quantum Mechanics 2 (Recitation)	Spring 2014
Einstein's Universe (Lab)	Spring 2013 & Fall 2013
Quarks to Cosmos (Lab)	Fall 2011
General Physics 2 (Lab)	Spring 2010
How Things Work (Lab)	Fall 2009

HONORS AND AWARDS

James Arthur Graduate Fellowship	Center for Cosmology and Particle Physics Department of Physics, New York University	2014 - 2015
MacCracken Fellowship	Graduate School of Arts and Science New York University	2009 - 2013

INVITED SEMINAR

Physics Department Colloquium Montclair State University	Montclair, NJ, USA	Sep. 2019
---	--------------------	-----------

CONFERENCES, WORKSHOPS AND VISITS

Center for Cosmology and Particle Physics Department of Physics, NYU	New York, NY, USA	Jan. 2017 - May 2018
20 Years Later: The Many Faces of AdS/CFT	Princeton, NJ, USA	Oct. 2017
1st Domestic Conference	Seoul, South Korea	Oct. 2016
Fall Meeting of Korean Physical Society	Gwangju, South Korea	Oct. 2016
Graduate Workshop on TQFT	Stony Brook, NY, USA	Sep. 2015
CERN	Geneva, Switzerland	Aug. 2015
Simons Summer Workshop 2015	Stony Brook, NY, USA	Jul. 2015
Strings Conference 2014	Princeton, NJ, USA	Jun. 2014
Prospects in Theoretical Physics	Princeton, NJ, USA	Jun. 2014
APCTP	Pohang, South Korea	Jul. - Aug. 2011

PUBLICATIONS

1. E. Joung, J. Kim, J. Kim and S. J. Rey, "Asymptotic Symmetries of Colored Gravity in Three Dimensions," JHEP **1803**, 104 (2018) [arXiv:1712.07744 [hep-th]].
2. J. Kim and M. Porrati, "On a Canonical Quantization of 3D Anti de Sitter Pure Gravity," JHEP **1510**, 096 (2015) [arXiv:1508.03638 [hep-th]].
3. J. Kim and M. Porrati, "On the central charge of spacetime current algebras and correlators in string theory on AdS₃," JHEP **1505**, 076 (2015) [arXiv:1503.07186 [hep-th]].
4. J. Kim and M. Porrati, "More on long string dynamics in gravity on AdS₃ : Spinning strings and rotating BTZ black holes," Phys. Rev. D **91**, no. 12, 124061 (2015) [arXiv:1503.06875 [hep-th]].
5. J. Kim and M. Porrati, "Long string dynamics in pure gravity on AdS₃," J. Exp. Theor. Phys. **120**, no. 3, 477 (2015) [arXiv:1410.3424 [hep-th]].