Min-Joo Jang

Curriculum Vitae

Personal Information

Name	**Min-Joo Jang**.
Date of Birth	**Dec. 4, 1987**.
Nationality	**Republic of Korea**.

Contact Information

Email	**min-joo.jang@hku.hk**.
Address	**Department of Mathematics, The University of Hong Kong**. Pokfulam, Hong Kong
Homepage	`http://www.minjoojang.com`.

Education

Mar. 2018	**Ph.D. in Mathematics**, *University of Cologne*. Advisor : Kathrin Bringmann
Feb, 2015	**Master in Mathematics**, *Yonsei University*. Advisor : Jaebum Sohn
Feb, 2012	**Bachelor in Mathematics**, *Yonsei University*.

Research Interests

Number Theory and Combinatorics involving integer partitions, q-series and modular forms

Professional Experience

Jul. 2018 -Current	**Postdoctoral-fellows**, *The University of Hong Kong*.
Winter 2017-18	**Co-adviser for Bachelor Thesis**. Student: Stefan Thullen, Supervisor: Kathrin Bringmann.
Summer 2017	**Co-organizer for lecture**, *Mathematik für Lehramtsstudierende II*. Lecturer: Stephan Ehlen, University of Cologne
Winter 2016-17	**Co-organizer for lecture**, *Mathematik für Lehramtsstudierende I*. Lecturer: Stephan Ehlen, University of Cologne
2016-17	**Co-adviser for Master Thesis**. Student: Marcel Kraft, Supervisor: Kathrin Bringmann

2015-17	**Research Assistant**, *Universityof Cologne*.
2012-14	**Teaching Assistant**, *Yonsei University*.
	course : Number Theory, Calculus & Vector Analysis, Advanced Calculus

Papers and preprints

- Radial limits of the universal mock theta function g_3 (with Steffen Löbrich)
  Proceedings of the American Mathematical Society, Vol. 145 (2017), 925–935.
- On spt-crank-type functions (with Byungchan Kim)
  The Ramanujan Journal, Vol. 45 Issue 1 (2018), 211–225.
- Asymptotic behavior of Odd-Even partitions
  The Electronic Journal of Combinatorics, Vol. 22 (3) (2017) #P3.62.
- Identities for overpartitions with even smallest parts (with Jeremy Lovejoy)
  International Journal of Number Theory, Vol. 14, No. 07, (2018), 2023–2033.
- Quantum modular forms and singular combinatorial series with distinct roots of unity (with Amanda Folsom, Sam Kimport, and Holly Swisher)
  Springer Research Directions in Number Theory: Women in Numbers IV, accepted for publication.
- Quantum modular forms and singular combinatorial series with repeated roots of unity (with Amanda Folsom, Sam Kimport, and Holly Swisher), in preparation for submission.

Talks

Jul. 2018	**Quantum modular forms and singular combinatorial series**.
	2018 HKU Number Theory Days, HKU (Hong Kong)
Jul. 2018	**Mock theta functions and partition-theoretic functions**.
	Seminar on Pure Mathematics, HKUSK (Hong Kong)
Jun. 2018	**Quantum modular forms and singular combinatorial series**.
	Combinatory Analysis 2018, Penn State Uni. (U.S.)
Dec. 2017	**Quantum modular forms and singular combinatorial series**.
	Trends in Modular Forms Conference, NIMS (South Korea)
Oct. 2017	**Identities for overpartitions with even smallest parts**.
	Partitions/Combinatorics Seminar, Penn State Uni. (U.S.)
Mar. 2016	**On spt-crank type functions**.
	The 2016 Gainesville International Number Theory Conference, Uni. of Florida (U.S.)
Feb. 2016	**Radial Limits of a Universal Mock Theta Function**.
	2nd q-Day, Seoul Tech (South Korea)
Sep. 2015	**Radial Limits of a Universal Mock Theta Function**.
	Student Seminar, HKU (Hong Kong)
Sep. 2015	**Radial Limits of a Universal Mock Theta Function**.
	Discoverers avant le PhD (DISCO), MPIM Bonn (Germany)
Nov. 2014	**Asymptotic formula for certain distinct partitions**.
	Yonsei-Keio Workshop, Keio Uni. (Japan)