

Yewon Jeong

Morningside Center of Mathematics,
Chinese Academy of Sciences,
55 Zhongguancun East Road, Haidian, Beijing, China (100190)

Position: Postdoc Research Fellow
Phone: (+86) 155-1023-2726
Email: ywjeong@amss.ac.cn

Research interests

Complex Geometry, Algebraic Geometry, and Projective Differential Geometry. In particular:
Geometry of smooth complete intersections of small degree over the field of complex numbers.

Education

Ph.D. in Mathematical Sciences, KAIST, Korea, February, 2018,
Thesis advised by Sijong Kwak and Jun-Muk Hwang.

B.S. in Mathematical Sciences, KAIST, Korea, August, 2010.

Employment

2018 Summer – present : Postdoc Research Fellow, Morningside Center of Mathematics, Chinese Academy of Sciences, Beijing, China.

2018 Spring : Project Research Fellow, Korea Institute for Advanced Study, Korea.

Professional activities

Teaching activity

2011-2014 : Teaching Assistant (Calculus, Abstract Algebras, Number Theory), KAIST, Korea.

Research talks

Women in Geometry and Topology, IBS-CGP, Pohang University of Science and Technology (POSTECH), Korea, June, 2019.

Workshop on Algebraic Geometry, Academy of Mathematics and Systems Science, Chinese Academy of Sciences, China, June, 2018.

Seoul Seminars on Algebraic Geometry, Kunkuk University, Korea, March, 2018.

The 13th KIAS Geometry Winter School, JeongSeon, Korea, January, 2018.

Symposium in Algebraic Geometry, Hotel Libero Haeundae, Korea, December, 2017.

Workshop on Algebraic Geometry - Gunsan, Ritz-Plaza Hotel, Korea, November, 2017.

KWMS International Conference (KWMS IC), Pohang University of Science and Technology (POSTECH), Korea, June, 2017.

Connections for Women: Algebraic Geometry, Korea Institute for Advanced Study (KIAS), Korea, October, 2016.

Conferences attended

Lecture Series in Algebraic Geometry, Morningside Center of Mathematics, Beijing, China, August-September, 2019.

Higher Dimensional Algebraic Geometry, University of Tokyo, Japan, March, 2018.

Korean-Italian Meeting on Algebraic Geometry 2018, Korea Institute for Advanced Study (KIAS), Korea, January, 2018.

Komplexe Analysis, Mathematisches Forschungsinstitut Oberwolfach (MFO), Germany, August, 2017.

Complex Analytic and Differential Geometry, Institut Fourier, France, June, 2017.

Honors and Awards

KMS Thesis Prize, Korea Mathematics Society, 2019.

Oberwolfach Leibniz Graduate Students Grant, MFO, 2017.

Excellent Teaching Assistant, KAIST, 2014.

Graduate Research Excellent Speaker, KAIST, 2010.

Publication and Thesis

Journal article

Baohua Fu, Yewon Jeong, and Fyodor L. Zak: A characterization of secant varieties of Severi varieties among cubic hypersurfaces. *International Mathematics Research Notices* (2020, online first)
doi:10.1093/imrn/rnaa223

Yewon Jeong: Moduli map of second fundamental forms on a nonsingular intersection of two quadrics. *Mathematische Annalen* 372 (2018), no. 1-2, 1-54.

Ph.D. dissertation

A study on the variation of second fundamental forms on the intersection of two quadric hypersurfaces, KAIST, 2018.

References

Jun-Muk Hwang (jmhwang@kias.re.kr)
School of Mathematics, Korea Institute for Advanced Study (KIAS), Korea.

Baohua Fu (bhfu@math.ac.cn)
Academy of Mathematics and System Science (AMSS), Chinese Academy of Sciences, China and
School of Mathematical Sciences, University of Chinese Academy of Sciences, China

Fyodor L. Zak (zak@cemi.rssi.ru)
Central Economics Mathematical Institute of the Russian Academy of Sciences (CEMI RAS), RUSSIA