Jun–Yong Park

Contact Information	Center for Geometry and Physics Institute for Basic Science (IBS) POSTECH, Mathematical Science Building, Room 108 Cheongam-Ro, Nam-Gu, Pohang, Gyeongbuk, Republic of Korea *Email:* junepark@ibs.re.kr *Website:* `www.fibration.net`
Research Interests	Arithmetic geometry & Number theory: arithmetic of the moduli of fibrations, applications to fibred surfaces and their moduli, enumerating algebraic curves and Abelian varieties over global fields.
Academic Positions	**IBS Center for Geometry and Physics, POSTECH, Pohang, South Korea** Research Fellow / Military Service: Technical Research Personnel, 2018 Fall - Present
Education	**University Of Minnesota Twin Cities** Ph.D. in Mathematics, 2012 Fall - 2018 Spring Advisor: Craig Westerland M.Sc. in Mathematics, 2016 Spring B.Sc. in Mathematics, 2008 Fall - 2011 Fall **Pennsylvania State University** Mathematics Advanced Study Semester, 2009 Fall **Independent University of Moscow** Mathematics in Moscow, 2010 Spring **Brown University** Visiting student hosted by Thomas Goodwillie, 2018 Spring
Submitted articles	*Enumerating algebraic curves and Abelian varieties over global fields with lower order terms* Submitted, arXiv:2002.00563. (with Changho Han) *ℓ-adic étale cohomology of the moduli of elliptic and hyperelliptic fibrations* Submitted, arXiv:1812.11694.
Articles in preparation	*Arithmetic of the irreducible compact moduli of unstable elliptic surfaces* (with Dori Bejleri, Changho Han, Johannes Schmitt) *Arithmetic of the moduli space of monopoles* *Arithmetic of the moduli of elliptic K3 fibered Calabi-Yau 3-folds*
Published articles	*Motive of the moduli stack of rational curves on a weighted projective stack* Research in the Mathematical Sciences, **8**, No. 1 : #1 (2021) (with Hunter Spink) Special issue of Pacific Institute for the Mathematical Sciences Workshop on Arithmetic Topology *Arithmetic of the moduli of semistable elliptic surfaces* Mathematische Annalen, **375**, No. 3-4 : 1745-1760 (2019) (with Changho Han), *Unique fiber sum decomposability of genus 2 Lefschetz fibrations* Topology and its Applications, **222** : 29-52 (2017) *Lantern substitution and new symplectic 4-manifolds with $b_2{}^+ = 3$* Mathematical Research Letters, **21**, No. 1 : 1-17 (2014) (with Anar Akhmedov)

AWARDS	Research Prize in Distinguished Achievement, Institute for Basic Science, 2019
	Postdoctoral Research Fellowship, Institute for Basic Science, 2018 - 2021
INSTRUCTOR	Multivariable Calculus (University of Minnesota Summer 2014)
TEACHING ASSISTANT	Calculus I (University of Minnesota Fall 2012)
	Calculus II (University of Minnesota Spring 2013)
	Honors Vector Calculus (University of Minnesota Fall 2013)
	Vector Analysis (University of Minnesota Spring 2014)
	Linear Algebra and Differential Equations (University of Minnesota 2014 - 2015)
	Multivariable Calculus (University of Minnesota 2015 - 2017)
	Riemannian Geometry taught by Robert Gulliver (University of Minnesota Fall 2012)
	Algebraic Topology taught by Alexander Voronov (University of Minnesota Fall 2016)
WORKSHOP CO-ORGANIZATION	Pohang Mathematics Workshop, Maison Glad Jeju Island, South Korea, December 5–8, 2019
CONFERENCE, WORKSHOP TALKS	KMS Spring Meeting in Number Theory and Arithmetic, Online, July 2020
	Inaugural France-Korea Conference in Algebraic Geometry, Number Theory and Partial Differential Equations, Institut de Mathématiques de Bordeaux, November 2019
	Workshop in Algebraic Geometry at Gunsan, Ritz–Plaza Hotel, South Korea, October 2018
	Chicago Summer School in Topology and Geometry, University of Chicago, June 2018
	AMS Graduate Conference in Geometry & Topology, Brown University, April 2018
	Midwest Algebraic Geometry Graduate Conference, University of Illinois Chicago, April 2017
	Conference in Algebra, Geometry, and Topology, Temple University, May 2016
SEMINAR TALKS	CGP Algebraic Geometry Seminar, IBS Center for Geometry and Physics, August 2020
	CGP Director's Seminar, IBS Center for Geometry and Physics, May 2020
	CGP Derived Seminar, IBS Center for Geometry and Physics, January 2019
	Harvard / MIT Algebraic Geometry Seminar, MIT, April 2018
	Algebra and Algebraic Geometry Seminars, Brown University, April 2017
	CGP Seminar, IBS Center for Geometry and Physics, January 2017
	Topology Seminar, University of Massachusetts Amherst, October 2015
LECTURE SERIES	Postdoctoral Lecture Series, "Arithmetic of the moduli of fibered algebraic surfaces with heuristics for counting curves over global fields" 3 lectures (IBS - CGP October 2018)
POSTER PRESENTATIONS	ICERM Birational Geometry and Arithmetic, Brown University, May 2018
	AGNES Algebraic Geometry Northeastern Series, Northeastern University, October 2017
	5th Heidelberg Laureate Forum, Heidelberg University, September 2017
SERVICES	Departmental service: Graduate student member for University of Minnesota Twin Cities College of Science & Engineering (CSE) Consultative Committee, 2016 - 2017