CURRICULUM VITAE
Seung-Jo Jung

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Employment:

Research Fellow, Korea Institute for Advanced Study, from Oct. 2014

Education:

PhD. Mathematics, University of Warwick, September 2014
  Title: McKay Quivers and Terminal Quotient Singularities in Dimension 3
  Thesis Advisor : Professor Miles Reid
M.S. Mathematics, Seoul National University, August 2010
B.S. Mathematics, Seoul National University, February 2006

Research Interests:

McKay correspondence
Moduli of sheaves on varieties
Birational geometry of moduli spaces

Publications: (Available on my webpage)

On the Craw–Ishii conjecture, preprint, submitted, on arXiv.
Terminal quotient singularities in dimension three via variations of GIT, J. Algebra **468** (2016), 354-394.
Irreducibility of $\mathcal{M}_\theta$ for the case $\frac{1}{r}(1, a, r - a)$ where $a = 2$, preprint.
A note on elephants and GIT Chambers, preprint.

Talks:

In the philosophy of the McKay correspondence I-III, IBS-CGP,
19-21 Sep 2016
Grassmannians and Newton-Okounkov bodies, SWAG1, Yeonsei, 2 Aug 2016

McKay, Mukai, Kawamata, Bondal–Orlov, Bridgeland–King–Reid, etc,
2nd French-Korean Conference, 12 Jul 2016

Moduli spaces of sheaves on K3 surfaces, Winter School on K3 Surfaces,
Ewha Womans University, 1-5 Feb 2016

On moduli spaces of G-constellations, Symposium in Algebraic Geometry,
Busan, 28 Dec 2015

The Craw-Ishii Conjecture, IBS-CGP, 26 Nov 2015

On the Craw–Ishii Conjecture, Kobe University, 26 Oct 2015

Cyclic quotient singularities and G-constellations,
Summer School on Algebraic Geometry 2015, Anmeondo, 19 Aug 2015

The McKay correspondence and the terminal quotient singularities in dimension three,
Sino-Korea Academic Conference, Beijing, 22 May 2015

On the Sarkisov program, After School on MMP, KIAS, 27 Apr 2015

Around the McKay correspondence,
Workshop on Algebraic Geometry and Physics, KIAS, 3-4 Apr 2015

An example in the McKay correspondence,
Algebra Seminar, KIAS, 26 Mar 2015

Moduli of G-constellations and cyclic quotient singularities,
Hiroshima University, 15 Jul 2014
McKay quivers and terminal quotient singularities in dimension 3,
Nagoya University, 14 Jul 2014
Economic resolutions and G-constellations,
Seoul National University, 16 Apr 2014
Representations of McKay quivers and terminal quotient singularities in
dimension 3, Korea Institute for Advanced Study, 11 Apr 2014
Economic resolutions and moduli of representations of McKay quivers,
Nagoya-Warwick Workshop on McKay, 12 Feb 2014
Moduli of representations of McKay quivers II,
Nagoya-Warwick Workshop on McKay, 10 Feb 2014
Generalised G-graphs and moduli of representations of McKay quivers,
University of Warwick, 11 Dec 2013
Moduli of representations of McKay quivers, Calf, 19 Sep 2013
Introduction to derived categories and stability conditions,
Junior algebraic geometers meeting in Warwick, 17 Jul 2013
G-Hilbert Schemes, Learning Seminar on Hilbert Schemes, 27 Nov 2012

Derived categories and birational geometry, WAGs seminar, 24 Jul 2012
Cyclic surface quotient singularities, WAGs seminar, 9 Mar 2012

Organising Activities:

KIAS algebraic geometry seminar
SWAG1-Shinchon Workshop on Algebraic Geometry, 1-2 Aug 2016
Categorical Methods in Algebraic Geometry and Mirror Symmetry, 28-30 Mar 2016
Winter School on K3 Surfaces, 1-5 Feb 2016
KIAS algebraic geometry meeting, 11-12 Dec 2015
After School on MMP, 27-29 Apr 2015
Workshop on Algebraic Geometry and Physics, 3-4 Apr 2015
WAGs seminars:
    T3+1 Seminar, 7 Mar 2014
    Junior algebraic geometers meeting in Warwick, 17 July 2013
    2nd WAGs learning seminar on birational geometry, 23-24 July 2012
    WAGs learning seminar on birational geometry, 9 March 2012
Postgraduate Learning Seminars:
    Grothendieck Riemann-Roch, Spring 2013
    Hilbert Schemes, Autumn 2012
    Geometric Invariant Theory, Summer 2012
    Seminar on Quiver Varieties, Autumn 2009

Teaching Experience:

At the University of Warwick:
    Supervising : 1st year undergraduates (2011, 2012, 2013)
    TA : Algebra 2 (Spring 2013)
        1 hour exercise class every week

At Seoul National University:
    TA : Calculus 1 (Spring 2010), Calculus 2 (Autumn 2009)
        2 hour recitation class in English every week
    TA : Linear Algebra 2 (Autumn 2008)
    TA : Calculus 1 (Spring 2006)
        2 hour recitation class every week

Honours and Awards:

Short-listed in the category of Best Supervisor(last 3 in Univ.),
                    Warwick Students' Union, 2013
Korean Government Scholarship for Overseas Study, 2010-2012

Outstanding TA award, Faculty of Liberal Education,
Seoul National University, February 2010
Cum Laude, Seoul National University, February 2006
Alumni Fellowship, Seoul National University, 2005