Zhijie Dong

CONTACT
INFORMATION
Harbin Institute of Technology. E-mail: dongmouren@gmail.com

PERSONAL DATA
Citizenship: China
Date of Birth: Oct 24, 1989

EDUCATION AND
EMPLOYMENT

Harbin Institute of Technology, Harbin, China *December 2018 - Present*
Postdoc

University of Massachusetts Amherst, MA, USA *September 2012 - September 2018*
Ph.D., Mathematics, Sep 1st 2018
Advisor: Ivan Mirkovic

Tsinghua University, Beijing, China *September 2007 - 2011*
B.Eng, Mechanical engineering

RESEARCH
INTEREST
Geometric representation theory

PUBLICATIONS AND
PREPRINTS
A relation between Mirkovic-Vilonen cycles and modules over preprojective algebra of Dynkin quiver
of type ADE, https://arxiv.org/abs/1802.01792; Preprint.
Equivariant homology and twisted Yangian, with Haitao Ma; preprint
Convolution algebra of diagram automorphism fixed quiver variety, with Haitao Ma; preprint

TALKS
''Equivariant homology and twisted Yangian ''
Conference on representation theory, Harbin 2019

*" A relation between Mirkovic-Vilonen cycles and modules over preprojective algebra of Dynkin quiver
of type ADE"* *Oct 23, 2017; March, 2018*
Umass Amherst Representation theory seminar; Yau mathematical science center

HONORS AND
AWARDS
Distinguished Thesis Award at UMass Amherst.

ACTIVITIES
ATTENDED
MSRI Program on Geometric representation theory.	*Fall 2014*
PCMI Summer School in Geometry of moduli spaces and representation theory.	*Summer 2015*
Arizona Winter School 2016: Analytic Methods in Arithmetic Geometry.	*Spring 2016*
MSRI — Hot Topics: Cluster algebras and wall-crossing.	*April 2016*
ICTP Conference on Moduli Spaces, Mirror Symmetry and Enumerative Geometry.	*Summer 2016*
Chicago: Interactions between Representation Theory and Algebraic Geometry.	*August 2017*
Cologne: Spring School: Tropical Geometry meets Representation Theory.	*March 2018*

Toronto: Derived Geometry and Higher Categorical Structures in Geometry and Physics. *June 2018*

Notre Dame: THEMATIC PROGRAM ON GEOMETRIC REPRESENTATION THEORY AND
SYMPLECTIC VARIETIES. *June 2018*

Cetraro, Italy: CIME School on Geometric Representation Theory and Gauge Theory. *July 2018*

IST Austria: Summer School on Geometric Representation Theory *July 2018*

Geometric Satake and Beyond,Sanya, Nov 2019

Young Researchers workshop in HIT, Harbin, Dec 2019 (organizer)
China algebraic representation summer school, Beijing Institute of Technology, June 2019

Summer school on vertex operator algebra, Sichuan University, Chengdu, August 2019

VISITING
EXPERIENCE
Yau mathematical center; March-May, Sep-Nov 2018; host: Peng Shan
IPMU, Kashiwa, Japan; Feb-April 2019; Host: Hiraku Nakajima
Shanghai jiaotong University, Shanghai, China; May 2019; Host: Jiarui Fei

TEACHING
EXPERIENCE
Teaching assistant for Math 131& 132 (Calculus I & II), University of Massachusetts

Grader, University of Massachusetts