

# Xuhua He

## Research Interest

Arithmetic geometry, Algebraic groups and representation theory.

## Education

- 2005 Ph.D. in Mathematics, Massachusetts Institute of Technology
  - Thesis Title: *Some subvarieties of the De Concini-Procesi Compactification*
  - Advisor: George Lusztig
- 2001 Bachelor of Science in Mathematics, Peking University

## Employment

- 2023– Chair Professor, The University of Hong Kong
- 2019—2023 Choh-Ming Li Professor of Mathematics, Chinese University of Hong Kong
- 2016—2017 Von Neumann Fellow, Institute for Advanced Study
- 2014—2019 Full Professor, University of Maryland
- 2012—2014 Associate Professor, HKUST
- 2008—2012 Assistant Professor, HKUST
- 2006—2008 Simons Instructor, Stony Brook University
- 2005—2006 Member, Institute For Advanced Study

## HONORS AND AWARDS

- 2023 New Corner Stone Investigator award
- 2022 Chevalley Prize in Lie theory
- 2020 Xplorer Prize
- 2018 Sectional speaker of ICM
- 2015 Invited Speaker of Current development of Mathematics conference
- 2013 Morningside Gold Medal of Mathematics
- 1996 37th International Mathematical Olympiad (IMO) First Prize

## GRANTS

- 2023-2026 (Hong Kong) RGC grant 14300023
- 2022—2025 (Hong Kong) RGC grant 14300122
- 2021—2024 (Hong Kong) RGC grant 14300021
- 2020—2023 (Hong Kong) RGC grant 14300220
- 2018—2021 (USA) NSF grant DMS-1801352
- 2015—2018 (USA) NSF grant DMS-1463852
- 2011—2014 (Hong Kong) RGC grant 602011
- 2009—2012 (Hong Kong) RGC grant 601409
- 2007—2011 (USA) NSF grant DMS-0700589