

Curriculum Vitae

Name: Chengbo ZHU/Chen-Bo ZHU

Present Appointment:

Professor, National University of Singapore (NUS)

Contact Information:

Department of Mathematics, National University of Singapore,
Block 17, 10 Lower Kent Ridge Road, Singapore 119076

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Research Areas:

- Representation Theory of Lie Groups

Academic/Professional Qualifications:

- B.S. (1984): Zhejiang University, China
- Ph.D. (1990): Yale University, USA (Thesis advisor: Roger Howe)

Awards/Honours:

- 1998: Young Scientist Award, Singapore National Academy of Science
- 2014: Fellow, Singapore National Academy of Science

Career History:

- 1990-1991: Visiting assistant professor, University of Maryland at College Park, USA
- 1991-current: Lecturer, Senior Lecturer, Associate Professor, Professor, NUS

University Service/Administration:

- July 2011 - June 2013: Member, University Promotion Tenure and Appointment Committee, NUS
- April 2014 - June 2020: Head, Department of Mathematics, NUS
- April 2014 - Dec. 2020: Member of Management Board, Institute for Mathematical Sciences (IMS)

Professional/Editorial Service:

- 2009-2012: President, Singapore Mathematical Society
- 2012-2013: Vice President, Southeast Asian Mathematical Society
- February 2015-January 2019: Associate Editor, Representation Theory (AMS)

Selected Publications:

1. *Invariant distributions of classical groups*, **Duke Math. J.** 65, (1992), 85-119.
2. (with J.-S. Huang) *On certain small representations of indefinite orthogonal groups*, **Represent. Theory** 1, (1997), 190-206.
3. (with S.T. Lee) *Degenerate principal series and local theta correspondence*, **Trans. Amer. Math. Soc.** 350, (1998), 5017-5046.
4. (with K. Nishiyama) *Theta lifting of unitary lowest weight modules and their associated cycles*, **Duke Math. J.** 125, (2004), 415-465.
5. (with D. Jiang and B. Sun) *Uniqueness of Bessel models: the Archimedean case*, **GAF** 20, (2010), 690-709.
6. (with B. Sun) *Multiplicity one theorems: the Archimedean case*, **Ann. of Math.** 175, (2012), 23-44.
7. (with R. Gomez) *Local theta lifting of generalized Whittaker models associated to nilpotent orbits*, **GAF** 24, (2014), 793-853.
8. (with B. Sun) *Conservation relations for local theta correspondence*, **J. Amer. Math. Soc.** 28, (2015), 939-983.

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