

# Jing Wang– Curriculum Vitae

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**Address** Philipps-Universität Marburg  
Fachbereich Mathematik und Informatik  
Hans-Meerwein-Straße  
(Paketpost: 35043 Marburg)  
**Email** wangjingmath@gmail.com  
**Nationality** Chinese

((last update: April 2016))

## Education

- 2012- now** **PhD**, Algebra - Philipps-Universität Marburg, Germany  
**Advisor** Prof. Dr. István Heckenberger  
Dissertation:  
The classification of Nichols algebras of diagonal type over fields of positive characteristic
- 2010-2012** Master of Science, Department of Mathematics, - Zhejiang University, VR China  
**Advisor** Prof. Dr. Zhixiang Wu  
*Thesis: Left symmetric algebras from DNA insertion*
- 2006-2010** Bachelor of Science, Mathematics and Applied Mathematics, - Shandong University, VR China

## Published papers

- 2015** Wang, J. Rank three Nichols algebras of diagonal type over arbitrary fields. arXiv:1505.07358 to appear in Israel Journal of Mathematics.
- 2014** Heckenberger, I. and Wang, J.: Rank 2 Nichols algebras of diagonal type over fields of positive characteristic. arXiv:1407.6817.  
SIGMA 11 (2015), 011, 24 pages.
- 2012** Wu, Zhixiang and Wang, J. : Left symmetric algebras from DNA insertion  
Zhejiang university.  
arXiv:1605.03837.

## Conferences and Workshops

- Sep.2015** 2015 annual meeting of the Deutschen Mathematiker-Vereinigung (DMV), Hamburg - DMV  
**Talk** Nichols algebras of diagonal type over arbitrary fields
- Mar.2015** Colloquium on Algebras and Representations -Cordoba, Argentina - Quantum 15  
**Talk** Rank three Nichols algebras of diagonal type over fields of positive characteristic
- Sep.2014** The 2nd Heidelberg Laureate Forum - The 2nd HLF, Heidelberg, Germany - The 2nd HLF
- Aug.2014** Conformal Field Theory and Nichols Algebras- Rauschholzhausen- Summer School 2014  
**Talk** Rank 2 Nichols algebras of diagonal type over fields of positive characteristic

- Aug.2014** International Congress of Mathematicians- Seoul, Korea 2014- Seoul ICM 2014
- Mar.2014** Colloquium on Algebra and Representations -Santa Maria, Brazil- Quantum 14  
**Talk** Rank 2 Nichols algebras of diagonal type over fields of positive characteristic
- Mar.2014** Structures on Tensor Categories and Topological Field Theories-Erlangen, Germany-  
 Emerging Fields Programme

## Research experience

- Sep.2012 - current** Philipps-Universität Marburg, Germany  
*The classification of Nichols algebras of diagonal type over fields of positive characteristic*  
 Supported by 'China Scholarship Council'.
- Apr.2011 - Nov.2011** Zhejiang University, Hangzhou, China  
*Left symmetric algebras from DNA insertion*  
 Supported by ZJNSF(No.Y6100148, Y610027) and Education Department of Zhejiang Province(No.201019063).
- Apr.2011 - Oct. 2011** Mathematical Sciences Center, Tsinghua University, Beijing, China  
*Vertex algebras and Poisson vertex algebras with applications to Hamiltonian integrable systems*
- Explored the connection between Lie conformal algebra and Lie algebra.
  - Applied the vertex algebra to the Hamiltonian integrable systems.
  - Deepened the understanding of between the lie algebras and other algebras by attending the Twelfth National Conference of Lie algebras at Huzhou University.
- Sep.2010 - May 2011** Zhejiang University, Hangzhou, China  
*Infinite dimensional lie algebras*
- Explored the Affine Algebras: the Normalized Invariant Form, the Root System, and the Weyl Group.
  - Deepened the understanding of between the lie algebras and other algebras by attending the Twelfth National Conference of Lie algebras at Huzhou University.

## Teaching experience

- Sep 2010 - Sep 2011** Zhejiang University, China  
*Teaching Assistants in Algebra, Linear Algebra and Advanced Algebras*

## Honors and Awards

- China Scholarship Council four years Scholarship, China, 2012-2016
- Second-class Award of Honor for Graduate, ZJU,2011
- First Scholarship for Outstanding students, SDU, |2008|2009|2010
- Triple A Students for successive years, SDU 2006|2007|2008|2010
- Advanced Individual of College Student's Holiday Social Practice, SDU 2008

## Interests

- I like travelling and have travelled 10 percent of the world.
- Dancing, Swimming

## Referees

**Name** Prof. Dr. István Heckenberger  
**Contact** heckenberger@mathematik.uni-marburg.de  
**Tel** +49-06421 28-25486  
**Adresse** Philipps-Universität Marburg  
Fachbereich Mathematik und Informatik  
Hans-Meerwein-Straße  
D-35032 Marburg

**Name** Prof. Zhixiang Wu  
**Contact** wzx@zju.edu.cn  
**Tel** +86-0571-87951609-8202  
**Adresse** Zhejiang University  
Department of Mathematics  
College of Science  
Hangzhou 310027, Zhejiang