

CURRICULUM VITAE

PERSONAL CONTACT *Full name:* THI THAO VU
Date of birth: July 23, 1988
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CITIZENSHIP Vietnamese

RESEARCH INTERESTS My current research interests are in *Quantum group*, and *Representation theory*.

EDUCATION

- October, 2012 - to date: Ph.D. of LMPT, University of Tours, France.
Thesis title: The higher order q -Dolan-Grady relations and quantum integrable systems
Advisor: Pascal Baseilhac
- 2010 - 2011: Master of Science in Applied Mathematics, University of Orléans, France.
Dissertation title: Yang-Baxter equations and the quantum group $U_q(\hat{g})$
Advisor: Pascal Baseilhac
- 2006 - 2010: B.S in Faculty of Mathematics and Informatics, Hochiminh city University of Pedagogy, Vietnam.

PUBLICATIONS

1. P. Baseilhac and T.T. Vu, *Higher order relations for ADE-type generalized q -Onsager algebras*, *Lett. Math. Phys.* **105** (2015) 1275-1288
2. P. Baseilhac and T.T. Vu, *Analogues of Lusztig's higher order relations for the q -Onsager algebra*, *J.Math.Phys.* **55** (2014) 081707
3. L.H. Tran and T.T. Vu, *Bounds for the Approximation of Poisson-binomial distribution by Poisson distribution*, *Journal of Inequalities and Applications*, (2013) **2013:30**
4. P. Baseilhac, A.M. Gainutdinov, H. Saleur and T.T. Vu, *The open XXZ spin chain at roots of unity*, 2015, preprint
5. P. Baseilhac, S. Belliard and T.T. Vu, *Non-Abelian symmetries of the half-infinite XXZ spin chain*, 2015, preprint.

INVITED TALKS

- September, 2015: Workshop on Monodromy preserving deformations and conformal field theory, University of Tours, France: *An introduction to the Askey-Wilson and q -Onsager algebra* (with Pascal Baseilhac)
- March, 2015: Seminar at University of Wisconsin-Madison, USA: *Higher order relations of the q -Onsager algebra*

- November, 2014: Journée des Doctorants, University of Tours and University of Orléans, France: *The open XXZ spin chain at roots of unity and related algebraic structures*

WORK
EXPERIENCES

2011 - 2012: Teaching Assistant, Department of Basic Sciences, University of Finance and Marketing, Vietnam.

COMPUTER
SKILLS

- R, Matlap, Maple

AWARDS

- 2007 – 2010: Government’s Scholarships of Vietnam for Outstanding undergraduate student academic years
- 2009: The First Prize in “Mathematics Game” Contest of Ho Chi Minh City University of Pedagogy
- 2008: The Award for Encouragement in “Solve Problems by Casio Calculator” Contest (South Vietnamese Area)
- 2006: The Award for Encouragement in “Excellent Students of Dak Lak Province” Contest
- 2004: The “For Vietnamese Talented Female Students” Scholarship
- 2003: The Third Prize in “Excellent Students of Dak Lak Province” Contest

REFERENCES

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