

Curriculum Vitæ

Yongquan HU

Personal information

- Born in August 1983, Jiangsu
- Adresse: Bâtiment 22, IRMAR, Campus Beaulieu, 35042 Rennes, France
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Employment:

- Sep 2010–present: Maître de conférences (Associate Professor), University Rennes 1, France.
- Sep 2009–Aug 2010 ATER (Teaching Assistant), University Paris-Sud 11, France.

Education:

- 2006–2009 Ph.D., University Paris-Sud 11.
Thesis defended in October 2009: *On p -adic and modulo p local Langlands program*
Thesis advisor: Christophe Breuil.
- 2005–2006 M.S., University Paris-Sud 11.
- 2000–2005 B.S. & M1, Tsinghua University.

Publications

- [1] *Normes invariantes et existence de filtrations admissibles*, J. reine angew. Math. 634 (2009), 107-141.
- [2] *Sur quelques représentations supersingulières de $GL_2(\mathbb{Q}_p)$* , J. of Algebra, 324 (2010), 1577-1615.
- [3] *Diagrammes canoniques et représentations modulo p de $GL_2(F)$* , J. Inst. Math. Jussieu, 11 (2012), 67-118.

- [4] *Sur la fidélité de certaines représentations de $GL_2(F)$ sous une algèbre d'Iwasawa* (with S. Morra, B. Schraen), Rend. Sem. Mat. Univ. Padova, 131 (2014), 49-65.
- [5] *Valeurs spéciales de paramètres dans diagrammes de Diamond*, accepted by Bull. Soc. Math. France.

Preprints

- [6] *The Breuil-Mézard conjecture for non-scalar split residual representations* (with Fucheng Tan), preprint 2013, available at <http://arxiv.org/abs/1309.1658>.
- [7] *On crystabelline deformation rings of $\text{Gal}(\overline{\mathbb{Q}_p}/\mathbb{Q}_p)$* (with Vytautas Paškūnas), in preparation.

Awards

- P.E.S. («Prime d'Excellence Scientifique»), 2013-2017, University Rennes 1, France.
- New World Mathematics Awards: Gold Awards for Ph.D. thesis, December 2010.

Visiting

- Columbia University, April 2008.
- Max-Planck Institut, June-July 2012.
- Beijing International Center for Mathematical Research, Sep-Oct 2012.
- Max-Planck Institut, August 2013.
- University Duisburg-Essen, Oct-Dec 2013.
- Mathematical Sciences Center, Tsinghua, July 2014.

Invited talks

- Geometry, Dynamics and Representations, Luminy, November 2009.
- Modular Representation Theory of Finite and p -adic Groups, Singapore, April 2013.
- Sino-France Conference on Arithmetic Geometry, Tianjin, June 2013