

Curriculum Vitae - Przemysław Chojecki

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PERSONAL INFORMATION

Academic Address: Instytut Matematyczny PAN
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Poland

Date of Birth: 31st January 1988
Place of Birth: Warsaw, Poland
Nationality: Polish
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EMPLOYMENT

2016– Adiunkt at Mathematical Institute PAN
2014–2016 Postdoctoral Research Fellow at University of Oxford

EDUCATION

2011–2014 PhD studies at Université de Pierre et Marie Curie (Paris 6)
 advisor: Jean-Francois Dat
 second advisor: Adrian Langer (University of Warsaw)

2009–2011 Master in Mathematics at École Polytechnique, France

2007–2011 Bachelor and Master in Mathematics at University of Warsaw, Poland

2004–2007 Stanisław Staszic High School (Warsaw), experimental class in mathematics

PUBLICATIONS AND PREPRINTS

All works are available through my website (and on arXiv)

1. Overconvergent modular forms and perfectoid Shimura curves (with David Hansen and Christian Johansson), to appear in Documenta Mathematica, submitted, arXiv:1507.04875
2. An adjunction formula for the Emerton-Jacquet functor (with John Bergdall), preprint 2015, submitted, arXiv:1506.02151
3. Ordinary representations and companion points for $U(3)$ in the indecomposable case (with John Bergdall), preprint 2014, submitted, arXiv:1405.3026
4. On non-abelian Lubin-Tate theory and analytic cohomology, preprint 2014, submitted, arXiv:1402.5606
5. On mod p non-abelian Lubin-Tate theory for $GL_2(Q_p)$, Compositio Math., volume 151, issue 08, pp. 1433-1461, arXiv:1303.4589
6. Weak local-global compatibility and ordinary representations, preprint 2014, submitted, arXiv:1306.3496
7. Strong local-global compatibility in the p -adic Langlands program for $U(2)$ (with Claus Sorensen), to appear in Rend. Sem. Mat. Uni. Padova, arXiv:1406.1828

8. Weak local-global compatibility in the p-adic Langlands program for $U(2)$ (with Claus Sorensen), to appear in *Rend. Sem. Mat. Uni. Padova*, arXiv:1304.4817
9. Density of crystalline points on unitary Shimura varieties, *Int. J. Number Theory*, Vol. 9, No. 3 (2013) 1–15, arXiv:1206.1250

INVITED TALKS

- Number Theory Seminar, Universite Bordeaux, France, 13th November 2015.
- Number Theory Seminar, University of Cambridge, UK, 27th October 2015.
- Algebraic Geometry Seminar, University of Zurich, Switzerland, 11th May 2015.
- Number Theory Seminar, Columbia University, New York, USA, 24th April 2015.
- DMV-PTM meeting, Poznan, Poland, September 17-20, 2014.
- Number Theory Seminar, MIT, USA, 25th February 2014.
- Number Theory Seminar, Boston University, USA, 24th February 2014.
- "Intensive lecture series on Shimura varieties and Rapoport-Zink spaces", KIAS, Seoul, Korea, series of three talks.
- Conference "Local Langlands Correspondence", TIFR, Mumbai, India, two talks: 30th December 2013 and 1st January 2014.
- Seminar, Lyon, France, 3rd December 2013.
- Number Theory Seminar, Cambridge, UK, 14th May 2013.
- Research conference during "Arithmetic and Geometry" program, Bonn, Germany, 15th April 2013
- Seminar, Versailles, France, 9th April 2013
- Seminaire de geometrie algebrique, Rennes, France, 14th March 2013.
- Arithmetic Geometry Seminar, Bonn, Germany, two talks: 17th and 22nd January 2013.
- Seminaire Groupes Reductifs et Formes Automorphe, Jussieu, Paris, France, 10th December 2012.
- Seminaire de Geometrie Arithmetique et Motivique, Paris Nord 13, France, 9th November 2012.
- Workshop on the arithmetic geometry of Shimura varieties, representation theory and related topics, Sapporo, Japan, 21st July, 2012.
- Workshop on the arithmetic geometry of Shimura varieties and Rapoport-Zink spaces, Kyoto University, Japan, 7th July, 2011.

TEACHING AND ORGANIZED EVENTS

I have organized or co-organized the following events (a program for each workshop and seminar is available on my website):

- 8th-9th Oct 2015: Workshop on Higgs bundles (Warsaw, Poland)
- Trinity term 2015: Seminar on local Langlands correspondence (Oxford, UK)
- Sep-Dec 2013: Seminar on perfectoid Shimura varieties (Paris, France)
- Mar-Apr 2013: Seminar on Breuil-Mezard conjecture (Paris, France)
- Oct-Dec 2012: Seminar on adic spaces (Paris, France)
- 17th-19th Dec 2012: Workshop on modular curves (Warsaw, Poland)
- 31st May-2nd Jun 2012: Workshop on Weil conjectures (Warsaw, Poland)
- summer semester 2012: Seminar on arithmetic geometry (Warsaw, Poland)
- 1st-3rd Mar 2012: Workshop on étale cohomology (Warsaw, Poland)
- 13th-14th Dec 2011: Mini-workshop on local class field theory (Warsaw, Poland)

Currently I am teaching Rings and modules class at Brasenose College in Oxford. I have taught also

- summer semester 2014: an exercise group on Mathematics for Chemistry students at University of Warsaw
- summer semester 2012: an exercise group on Complex analysis at University of Warsaw
- 2007: a preparatory course for mathematical olympiads for high school students (Poland)

OTHER SERVICE

- Apr 2013– Reviewer for Zentralblatt Math. (15 reviews so far)
- Oct 2015– Reviewer for MathSciNet (1 review so far)