Thomas Lanard

Curriculum Vitae

Laboratoire de mathématiques de Versailles
Université de Versailles Saint-Quentin
45 avenue des États-Unis
78035 Versailles cedex, France
✉ *thomas.lanard@uvsq.fr*
🌐 *http://www.thomaslanard.com/*

Work experience

2022– **CNRS Research Fellow**, *Laboratoire de mathématiques de Versailles, Université de Versailles Saint-Quentin*, Versailles, France

2019–2022 **Post-Doc in Mathematics**, *University of Vienna*, Vienna, Austria

Education

2015–2019 **PhD in Mathematics**, *Advisor : Jean-François Dat*, Sorbonne Université, IMJ-PRG, Paris
Subject: On the ℓ-blocks of p-adic groups

2014–2015 **Master of Mathematics (M2)**, *École Normale Supérieure*, Lyon, France
Subject: Introduction to the theory of L and zeta functions and their applications

2013–2014 **Agrégation de Mathématiques**, *École Normale Supérieure*, Lyon, France
Rank : 1
Agrégation: a national, highly competitive exam

2012–2013 **ERASMUS (M1)**, *Imperial College London (Host university)*, *École Normale Supérieure de Lyon (Home university)*

2011–2012 **Bachelor of Mathematics**, *École Normale Supérieure*, Lyon, France

Publications

2022 **Unipotent ℓ-blocks for simply-connected p-adic groups**, accepted to Algebra & Number Theory

2021 **Equivalence of categories between coefficient systems and systems of idempotents**, Represent. Theory 25 (2021), 422-439

2021 **Sur les ℓ-blocs de niveau zéro des groupes p-adiques II**, Ann. Sci. Éc. Norm. Supér. (4) 54 (2021), no. 3, 683–750

2018 **Sur les ℓ-blocs de niveau zéro des groupes p-adiques**, Compositio Mathematica 154 (2018), no. 7

Preprints

2022 **Modulo ℓ distinction problems**, with Peiyi Cui and Hengfei Lu, arXiv:2203.14788

2022 **Depth zero representations over $\overline{\mathbb{Z}}[\frac{1}{p}]$**, with Jean-François Dat, arXiv:2202.03982

Talks

November 2022 **Seminar Représentations des Groupes Réductifs**, Marseille, France

October 2022	**Seminar Arithmétique et Géométrie Algébrique**, Orsay, France
July 2022	**AMS-SMF-EMS Joint International Meeting Special Sessions**, Grenoble, France
June 2022	**Seminar of Number Theory of the ENS Lyon**, Lyon, France
May 2022	**French-Korean IRL in Mathematics**, Online talk
May 2022	**Paris-London Number Theory Seminar**, London, United Kingdom
May 2022	**Seminar of the Laboratoire de Mathématiques de Versailles**, Versailles, France
March 2022	**Seminar Representation Theory and Automorphic Forms**, Vienna, Austria
October 2021	**Seminar Groupes, Algèbre et Géométrie**, Poitiers, France
April 2021	**Seminar Géométrie complexe**, Online talk, Nancy, France
January 2021	**Seminar Théorie des groupes**, Online talk, Amiens, France
November 2020	**Seminar Géométrie Arithmétique et Motivique**, Online talk, Paris, France
December 2019	**London Number Theory Seminar**, London, United Kingdom
February 2019	**Colloquium GDR TLAG**, Poitiers, France
February 2019	**Seminar of the University of East Anglia** , Norwich, United Kingdom
February 2019	**Colloquium GDR TLAG**, Poitiers, France
December 2018	**Seminar of the University of Vienna**, Vienna, Austria
November 2018	**Seminar of the Laboratoire de Mathématiques de Versailles**, Versailles, France
February 2018	**Seminar Groupes Réductifs et Formes Automorphes de l'IMJ-PRG**, Paris, France
November 2017	**Seminar Groupes, Représentations et Géométrie**, Paris, France

Research Internships

2013	**Imperial College London**, *with Kevin Buzzard (The Modularity Theorem)*
2012	**École Polytechnique, Centre de Mathématiques Laurent Schwartz**, *with Alain Plagne (Waring's Problem)*

Teaching

2021–2022	**Linear Algebra**, *L1*, TD, University of Vienna
2019–2021	**Algebraic Number Theory**, *Master*, University of Vienna
2020–2021	**Linear Algebra and Geometry**, *L1*, University of Vienna
2020–2021	**Number Theory**, *L1*, University of Vienna
2019–2020	**Modular Forms**, *Master*, University of Vienna
2015–2019	**Mathematics in continuing education**, *L3*, Autonomous, Polytech' Paris
2018–2019	**Group theory**, *L3*, Sorbonne Université

2018–2019 **Arithmetic**, *L2*, Sorbonne Université
2015–2018 **Fourier analysis and Distributions**, *L3*, Polytech' Paris

Other

2017–2018 **Member of the PhD student Bureau**
PhD student Bureau: a small group of PhD students voluntary to take care of some administrative tasks and to help the other PhD students

Languages

French Mother tongue
English TOEIC Listening and Reading : 930/990