



**LMS Durham Symposium:
L-functions and Galois representations
Monday 19th July - Friday 30th July 2004
University of Durham, United Kingdom**

Alphabetically order talks

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|---|---------------------------|
| Joel Bellaïche (IPDE - Università di Roma I)
<i>D2: Geometry of eigenvarieties at reducible anti-ordinary points and rank of Selmer groups</i> | Monday 26th July 17:15 |
| Laurent Berger (IHES)
<i>B1: p-adic differential equations and filtered (ϕ, N)-modules</i> | Saturday 24th July 11:15 |
| Massimo Bertolini (University of Milano)
<i>Hida families and the arithmetic of elliptic curves</i> | Thursday 22nd July 17:15 |
| Christophe Breuil (IHES)
<i>A4: p-adic representations of $GL(2, \mathbf{Q}_p)$ and modular forms</i> | Thursday 22nd July 09:45 |
| David Burns (King's College London)
<i>Congruences between derivatives of motivic L-functions</i> | Thursday 29th July 14:30 |
| Kevin Buzzard (Imperial College)
<i>E3: An eigenvariety machine</i> | Monday 26th July 09:45 |
| Frank Calegari (Harvard University)
<i>E4: The topography of the eigencurve</i> | Wednesday 28th July 17:15 |
| Laurent Clozel (Orsay, Université Paris-Sud)
<i>F2: The André-Oort conjecture II</i> | Saturday 24th July 17:15 |
| Pierre Colmez (Jussieu, Université Paris 6)
<i>A6: Local p-adic Langlands correspondence for 2-dimensional semi-stable representations</i> | Saturday 24th July 16:00 |
| Pierre Colmez (Jussieu, Université Paris 6)
<i>B2: A strange skew field</i> | Tuesday 27th July 14:30 |
| Christophe Cornut (Jussieu, Université Paris 6)
<i>Equidistribution of CM points on Shimura curves</i> | Tuesday 27th July 11:15 |

Fred Diamond (Brandeis University) <i>C1: Introduction: The Taylor-Wiles method</i>	Tuesday 20th July 11:15
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Fred Diamond (Brandeis University) <i>Weights of mod p Hilbert modular forms</i>	Saturday 24th July 09:45
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Matthew Emerton (Northwestern University) <i>E1: Locally analytic representation theory and the p-adic interpolation of automorphic forms and L-functions I</i>	Thursday 22nd July 11:15
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Matthew Emerton (Northwestern University) <i>E2: Locally analytic representation theory and the p-adic interpolation of automorphic forms and L-functions II</i>	Friday 23rd July 11:15
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Ivan Fesenko (University of Nottingham) <i>The boundary term in the zeta integral of an elliptic surface</i>	Monday 26th July 11:15
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Jean-Marc Fontaine (Orsay, Université Paris-Sud) <i>B3: de Rham and semi-stable p-adic representations</i>	Wednesday 28th July 11:15
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Kazuhiro Fujiwara (Nagoya University) <i>C5: $R=T$ and the geometry of Shimura varieties</i>	Wednesday 28th July 16:00
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Sasha Goncharov (MPI(Bonn), Brown University) <i>Motivic fundamental group of $G_m - \mu_N$ and geometry of modular varieties</i>	Tuesday 20th July 16:00
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Guy Henniart (Orsay, Université Paris-Sud) <i>A2: Complex representations of $GL(2)$ over a non-Archimedean local field</i>	Wednesday 21st July 11:15
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Haruzo Hida (UCLA) <i>D3: Some cases of the anti-cyclotomic main conjecture for general CM fields</i>	Tuesday 27th July 16:00
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Ben Howard (Harvard University) <i>The Iwasawa theoretic Gross-Zagier theorem</i>	Thursday 29th July 09:45
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Chandrashekar Khare (University of Utah) <i>C4: New proofs of modularity lifting theorems</i>	Tuesday 27th July 09:45
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Mark Kisin (University of Chicago) <i>C3: Moduli of finite flat group schemes and modularity</i>	Monday 26th July 14:30
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- Stephen Kudla (University of Maryland)** Tuesday 20th July 14:30
A1: Complex representations of $GL(2, \mathbf{R})$
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- Stephen Kudla (University of Maryland)** Wednesday 28th July 14:30
On the nonvanishing of the arithmetic theta lift
-
- Masato Kurihara (Tokyo Metropolitan)** Monday 26th July 16:00
Some aspects of Iwasawa theory of elliptic curves with supersingular reduction
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- Ariane Mézard (Orsay, Université Paris-Sud)** Thursday 22nd July 16:00
A5: Reduction modulo p of p -adic representations of $GL(2, \mathbf{Q}_p)$
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- Jan Nekovář (Jussieu, Université Paris 6)** Thursday 29th July 11:15
Parity of ranks of Selmer groups associated to Hilbert modular forms
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- Wiesława Nizioł (University of Utah)** Wednesday 21st July 09:45
A proof of the Semistable conjecture
-
- Karl Rubin (Stanford University)** Tuesday 20th July 09:45
Selmer modules and skew-Hermitian matrices
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- Takeshi Saito (University of Tokyo)** Thursday 29th July 17:15
The Euler-Poincaré characteristic of an l -adic sheaf on a variety
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- Peter Schneider (Universität Münster)** Wednesday 21st July 14:30
Is there a Gersten conjecture for Iwasawa algebras?
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- Michael Spiess (Universität Bielefeld)** Tuesday 27th July 17:15
On certain twists of Stuhler's modular varieties
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- Jacques Tilouine (Université Paris 13)** Tuesday 20th July 17:15
C2: Taylor-Wiles systems for $GSp(4)$
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- Douglas Ulmer (University of Arizona)** Thursday 22nd July 14:30
Geometric non-vanishing
-
- Eric Urban (Columbia University)** Wednesday 21st July 16:00
D1: p -adic deformation of some reducible Galois representations
-
- Eric Urban (Columbia University)** Thursday 29th July 16:00
E5: Eigenvarieties and twisted eigenvarieties
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Eric Urban (Columbia University)

Wednesday 31st December :

D1: p-adic deformation of some reducible Galois representations E5: Eigenvarieties and twisted eigenvarieties

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D1: p-adic deformation of some reducible Galois representations E5: Eigenvarieties and twisted eigenvarieties

Otmar Venjakob (Universität Heidelberg)

Friday 23rd July 09:45

The $GL(2)$ main conjecture for elliptic curves without complex multiplication

Marie-France Vigneras (Jussieu, Université Paris 7)

Wednesday 21st July 17:15

Modular representations of $GL(2)$ over a non-Archimedean

Andrei Yafaev (University College London)

Saturday 24th July 14:30

F1: The André-Oort conjecture I

Shou-Wu Zhang (Columbia University)

Wednesday 28th July 09:45

The Euler system of CM-points on Shimura curves