

Workshop *Arithmetic Geometry* 22-23 January 2008

This workshop is dedicated to recent results and an exchange of ideas in Arithmetic Geometry with a special focus on Galois representations and modular forms.

Organisers: G. Frey, G. Wiese

Tuesday, 22 January 2008

Time	Speaker	Title
9:00 – 10:00		<i>Arrival, registration, coffee</i>
10:00 - 11:00	Gabor Wiese	On the coefficient field of a newform
11:30 - 12:30	Bas Edixhoven	Computation of Galois representations associated to modular forms: numerical part using finite fields, by Couveignes
12:30 – 14:00		<i>Lunch at the IEM</i>
14:00 - 15:00	Johan Bosman	Computation of Galois representations associated to modular forms: some explicit results
15:15 - 16:15	Hans-Georg Rück	Drinfeld Modular Polynomials in Higher Rank
16:45 - 17:45	Olivier Fouquet	Lifting of zeta elements to deformation rings
Poster	Julien Blondeau	A remark on the Krull dimension of the deformation rings in the mixed case
Evening		<i>Dinner</i>

Wednesday, 23 January 2008

Time	Speaker	Title
9:00 - 10:00	Tobias Berger	Modular forms and Galois representations over imaginary quadratic fields
10:30 - 11:30	Lassina Dembélé	Hilbert modular forms and abelian surfaces with everywhere good reduction
11:30 – 13:00		<i>Lunch at the IEM</i>
13:00 - 14:00	Gerhard Frey	Hurwitz Spaces Related to Curves of Genus 2 with Elliptic Differentials
14:30 - 15:30	Michael Dettweiler	Rigid local systems and motives of type G2
15:45 - 16:45	Christian Maire	On the Galois structure of some Iwasawa modules

Practical information

- For further information and registration, please contact Gabor Wiese: gabor.wiese@uni-due.de
- Conference webpage: <http://maths.pratum.net/AG08>
- A hotel room can be reserved for you, if you register by 10 January 2008.
- Conference fee: 20 Euro