

**WORKSHOP „ARITHMETIC GEOMETRY AND COMPUTER
ALGEBRA“**

PRELIMINARY SCHEDULE

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| Thursday | 29.06.2017 |
| 08:30 - 09:20 | Registration |
| 09:20 - 09:30 | Opening |
| 09:30 - 10:30 | John Voight (Dartmouth): Semi-arithmetic points on elliptic curves |
| 10:30 - 11:00 | Coffee |
| 11:00 - 11:30 | Jennifer Balakrishnan (Boston University): Computing Coleman integrals I |
| 11:30 - 12:00 | Jan Tuitman (Leuven): Computing Coleman integrals II |
| 12:00 - 15:00 | Lunch & discussion |
| 15:00 - 16:00 | Nils Bruin (SFU): Models of genus 2 curves with full level 3 structure |
| 16:00 - 17:00 | Coffee and poster session |
| 17:00 - 18:00 | Elisa Lorenzo Garcia (Rennes): Computing twists of hyperelliptic curves |
| Friday | 30.06.2017 |
| 09:30 - 10:00 | Pascal Molin (Paris VII): Recent developments in arithmetic geometry in Pari/GP |
| 10:15 - 10:45 | Marc Masdeu (Barcelona): Arithmetic geometry and Sage: an optimistic account |
| 10:45 - 11:15 | Coffee |
| 11:15 - 11:45 | Steve Donnelly (Sydney): Recent developments in arithmetic geometry in MAGMA |
| 12:00 - 12:30 | Claus Fieker (Kaiserslautern): Nemo & Hecke: number theory in KL |
| 12:30 - 15:30 | Lunch & discussion |
| 15:30 - 16:30 | Mike Jacobson (Calgary): Improved Divisor Arithmetic for Low-Genus Hyperelliptic Curves |
| 16:30 - 17:00 | Coffee |
| 17:00 - 18:00 | David Kohel (Marseille): Local methods in geometry |
| 19:00 - ??:?? | Dinner at “Zum Drögen Hasen” |
| Saturday | 01.07.2017 |
| 09:30 - 10:30 | Andrew Sutherland (MIT): Computing L -series of genus 3 curves |
| 10:30 - 11:00 | Coffee |
| 11:00 - 12:00 | Tim Dokchitser (Bristol): Models of curves |
| 12:00 - 13:45 | Lunch & discussion |
| 13:45 - 14:15 | Nicolas Mascot (Warwick): Modular curves, modular Galois representations and lightly ramified GL_2 -fields |
| 14:30 - 15:30 | Peter Bruin (Leiden): On explicit computations with modular Galois representations |