SAGE Days 10 Schedule
Friday October 10, 2008
LORIA, Vandœuvre-lès-Nancy, Amphitheater

09:30 Arrival/registration
10:00 *State of the Union*, Michael Abshoff
11:00 Coffee break

Session Linear Algebra (chair Clément Pernet).

11:30 Arne Storjohann: *Algorithms for linear algebra on polynomial and integer matrices: similarities and differences*
12:30 Lunch break
14:00 Jean-Guillaume Dumas: *Simultaneous Modular Reduction and Kronecker Substitution for Small Finite Fields*
15:00 Coffee break
15:30 Martin Albrecht: *Matrix multiplication over* GF(2) *in the M4RI library*
16:00 Gregory Bard: *Using Graph Theory to Control Fill-in for Sparse Matrix Reduction to RREF over Fields of non-zero characteristic*
16:30 Robert Miller: *An example of implementing automorphism groups: linear codes*
17:00 Michael Abshoff: *Coding Sprint Organizational Session*

SAGE Days 10 Schedule
Saturday October 11, 2008
LORIA, Vandœuvre-lès-Nancy, Amphitheater

Session Elliptic Curves (chair Laurent Fousse).

10:00 John Cremona: *Elliptic Curves in Sage*
11:00 Coffee break
11:30 Nadia El Mrabet: *Implementing the Weil, Tate and Ate pairings using Sage*
12:00 Lunch break
14:00 David Lubicz: *Computing modular correspondences for abelian varieties (with Jean-Charles Faugère)*
15:00 Coffee break

Session SAGE-combinat (chair Nicolas Thiéry).

15:30 Florent Hivert and Nicolas Thiéry: **-Combinat: sharing algebraic combinatorics since 2000*
16:30 Mike Hansen, *Decomposable objects and combinatorial species*
17:00 Robert Miller, *Partition Refinement for Classification*
17:30 Franco Saliola, *Posets and words in Sage-Combinat*

20:30 Conference dinner, Grand Café Foy, place Stanislas, Nancy

SAGE Days 10 Schedule
Sunday October 12, 2008
LORIA, Vandœuvre-lès-Nancy, Amphitheater

Session Groebner Bases (chair Ludovic Perret).

10:00 Carlo Traverso: *Groebner bases, lattices and cryptography*
11:00 Coffee break
11:30 Burcin Erocal: *SCrypt: Symbolic computation assists algebraic cryptanalysis*
12:00 Lunch break
14:00 Éric Schost: *Computing with triangular families of polynomials: an overview*
15:00 Coffee break
15:30 Michael Brickenstein: *Secrets of Singular and PolyBoRi*
16:00 Guénaël Renault: *Computation of the Triangular Representation of a Splitting Field*
16:30 Michael Abshoff: *Coding Sprint Organizational Session*