

Schedule of contributed presentations

Wed. 2/7/08

18:00–18:30 Coding theory in brain-computer

S. Martens

18:30–18:45 On Group codes *J.J. Bernal Buitrago*

Thurs. 3/7/08

18:00–18:30 \mathbb{Z}_4 -linear quadratic residue codes

M. Kiermaier

18:30–19:00 Galois ring valued quadratic forms from coding theory

I. F. Rúa, M.C. López-Díaz

Fri. 4/7/08

18:00–18:30 A possible classification for non-linear systematic codes

E. Guerrini

18:30–19:00 Correcting Reed-Solomon code beyond their correction radius.

E. Betti

Sat. 5/7/08 (Part of Fitzpatrick-Martínez course)

9:00–10:00 On the structure of the syndrome variety

M. Giorgetti

10:00–11:00 n -th root codes

E. Orsini

11:30–12:00 Decoding linear codes via polynomial systems solving.
Generalized Newton identities for linear codes

S. Bulygin

12:00–13:00 The ideal associated to a linear code

M. Borges, M.A. Borges

Mon. 7/7/08

- 16:00–16:30 **Randomized Frameproof Codes**
N. P. Anthapadmanabhan, A. Barg
- 16:30–17:00 **Iterative decoding of JPEG2000 images and Reed-Solomon codes**
I. V. Bajić
- 17:30–18:00 **b-Solid Burst Error Correcting cyclic codes**
V. Tyagi and P. K. Das
- 18:00–18:30 **Convergences of the Sum-Product Algorithm on Some Small Multi-Edged Graphs**
S. Vargo

Tues. 8/7/08

- 16:00–16:30 **On the Criteria of the F_5**
C. Eder
- 16:30–17:00 **Gröbner Bases And Monomial Group Actions**
S. Steidel
- 17:30–17:45 **Semilinear Equivalence Classes of Goppa Codes**
M. Giorgetti
- 18:00–18:30 **Heuristic Construction of Linear Codes with prescribed Automorphism Group**
J. Zwanzger
- 18:30–19:15 **A relation between eta invariants of \mathbb{Z}_p -manifolds and class numbers of quadratic fields**
R. A. Podestá

Wed. 9/7/08

- 18:00–18:30 **Algebraic Soft-Decision Decoding of Hermitian Codes**
K. Lee
- 18:30–19:00 **The Factorisation Step in the List-Decoding Algorithm for RS Codes**
K. Guenda
- 19:00–19:30 **Error-Correcting Codes From Algebraic Varieties**
F. A. B. Edoukou

Thrus. 10/7/08

18:00–18:30 **Generalized algebraic geometry convolutional codes**

J.I. Iglesias Curto

18:30–19:00 **Toric deformations of cyclic quotient singularities**

N. Ilten

19:00–19:30 **Edwards curves and their applications**

C. Peters