### 6th Workshop on Coding and Systems

**Monday, June 13 - Anf. 11.1.10**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:15 - 9:50</td>
<td>Registration</td>
</tr>
<tr>
<td>9:50 - 10:00</td>
<td>Opening</td>
</tr>
</tbody>
</table>
| 10:00 - 10:50 | **Joachim Rosenthal** (University of Zurich)  
Decoding of MDS and near MDS Convolutional Codes over the Erasure Channel |
| 10:50 - 11:15 | Coffee break                     |
| 11:15 - 11:40 | **José Ignacio Iglesias Curto** (University of Salamanca)  
MDS convolutional codes of rate 1/n |
| 11:40 - 12:05 | **Diego Napp** (University of Valladolid)  
2D MDS convolutional codes of rate 1/n |
| 12:05 - 12:30 | **Telma Pinho** (University of Aveiro)  
Minimal realizations of a 2-D convolutional code of rate 1/n by separable Roesser models |
| 12:30 - 12:55 | **Salvador Hernandez** (University of Jaume I)  
On direct products of finite abelian groups |
| 12:55 - 14:30 | Lunch                            |
| 14:30 - 15:20 | **Marcus Greferath** (University College Dublin)  
Towards a BCH Bound for Coding Theory over Rings |
| 15:20 - 15:45 | **Jens Zumbrägel** (University College Dublin)  
On the algebraic representation of certain optimal non-linear binary codes |
| 15:45 - 16:10 | **Juan A. Lopez-Ramos** (University of Almeria)  
Codes as ideals over Hopf algebras |
| 16:10 - 16:35 | Coffee break                     |
| 16:35 - 17:00 | **Sara D. Cardell** (University of Alicante)  
Another construction of MDS array codes |
| 17:00 - 17:25 | **Guangyue Han** (University of Hong Kong)  
Menger’s Paths with Minimum Mergings |
| 17:25 - 17:50 | **Anna-Lena Trautmann** (University of Zurich)  
Isometry and Automorphisms of Constant Dimension Codes |
| 17:50 - 14:30 | Lunch                            |
| 14:30 - 14:55 | **Heide Gluesing-Luerssen** (University of Kentucky)  
Trellis Duality for Linear Block Codes |
| 14:55 - 15:20 | **David Conti** (University College Dublin)  
Tail-Biting Trellises and Pseudocodewords |
| 15:20 - 15:45 | **Davide Schipani** (University of Zurich)  
Fast Decoding of Cyclic Codes |
| 15:45 - 16:10 | **Wolfgang Willems** (University of Otto-von-Guericke)  
5-designs related to extremal self-dual codes of length 24m |
| 16:10 - 16:35 | Coffee break                     |
| 16:35 - 17:20 | **Franziska Leonhardt** (University of Technology, Dresden)  
St. Paul revisited by Music, Fine Arts, and Mathematics |

**Tuesday, June 14 - Anf. 11.1.10**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
</table>
| 9:30- 10:20   | **Margreeta Kuiper** (University of Melbourne)  
Using and abusing Gröbner theory for the ring case |
| 10:20 - 10:45 | **Cathy Mc Fadden** (University College Dublin)  
Characteristics of Invariant Weights Related to Code Equivalence over Rings |
| 10:45 - 11:10 | **Stefan E. Schmidt** (University of Technology, Dresden, Germany)  
The Wonderful World of Complete Semirings |
| 11:10 - 11:35 | Coffee break                     |
| 11:35 - 12:00 | **Andreas Kendziorra** (University College Dublin)  
Invertible matrices over finite simple semirings with zero |
| 12:00 - 12:25 | **Oliver GnIlke** (University College Dublin)  
Semigroup-Action Problems |
| 12:25 - 12:50 | **Alicia Roca** (Universidad Politecnica de Valencia)  
A non-linear control system description of the A5/1 algorithm |
| 12:50 - 14:30 | Lunch                            |
| 14:30 - 14:55 | **Heide Gluesing-Luerssen** (University of Kentucky)  
Trellis Duality for Linear Block Codes |
| 14:55 - 15:20 | **David Conti** (University College Dublin)  
Tail-Biting Trellises and Pseudocodewords |
| 15:20 - 15:45 | **Davide Schipani** (University of Zurich)  
Fast Decoding of Cyclic Codes |
| 15:45 - 16:10 | **Wolfgang Willems** (University of Otto-von-Guericke)  
5-designs related to extremal self-dual codes of length 24m |
| 16:10 - 16:35 | Coffee break                     |
| 16:35 - 17:20 | **Franziska Leonhardt** (University of Technology, Dresden)  
St. Paul revisited by Music, Fine Arts, and Mathematics |