

## Schedule of the 5<sup>th</sup> Workshop on Coding and Systems, Dublin

### Tuesday, Sept. 1

18.00.	Welcome reception
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### Wednesday, Sept. 2

9.30-10.00	Registration
10.00-10.10	Opening
10.10-11.00	<b>Amin Shokrollahi</b> , EPFL (Lausanne) <i>Raptor Codes on Symmetric Channels</i> Invited talk
11.00-11.30	Break
11.30-11.55	<b>Eva Zerz</b> , RWTH Aachen <i>Multidimensional convolutional codes and controllability properties of systems over finite rings</i>
11.55-12.20	<b>Virtudes Tomás</b> , University of Alicante <i>On convolutional codes over the erasure channel</i>
12.20-12.45	<b>Raquel Pinto</b> , University of Aveiro <i>Input-state-output representations and construction of finite-support 2D convolutional codes</i>
12.45-14.15	Lunch
14.15-15.00	<b>Stefan Schmidt</b> , University of Dresden <i>Metrics on Lattices</i>
15.00-15.25	<b>Andreas Kendziorra</b> , University College Dublin <i>Network coding with modular lattices</i>
15.25-15.50	<b>Axel Kohnert</b> , University of Bayreuth <i>Network Codes and <math>q</math>-Analogues of Combinatorial Designs</i>
15.50-16.15	Break
16.15-16.40	<b>Anna-Lena Trautmann</b> , University of Zurich <i>Bounds and Constructions of Constant Dimension Subspace Codes</i>
16.40-17.05	<b>Dinkar Vasudevan</b> , NUI Maynooth <i>Polymatroidal Flows on Two Classes of Information Networks</i>
17.05-17.30	<b>Eimear Byrne</b> , University College Dublin <i>Bounds for Network Error Correcting Codes</i>
17.30-17.55	<b>Jens Zumbärgel</b> , University College Dublin <i>Semilattice endomorphisms</i>

### Thursday, Sept. 3

9.45-10.10	<b>Vitaly Skachek</b> , University College Dublin <i>Correcting a Fraction of Errors in Nonbinary Expander Codes with Linear Programming</i>
10.10-10.35	<b>Abigail Mitchell</b> , University of Zurich <i>Toward a growth rate for pseudocodeword weights</i>
10.35-11.00	<b>Vijay Subramanian</b> , NUI Maynooth <i>The Rate-Distortion Function of a Poisson Process with a Queueing Distortion Measure</i>
11.00-11.30	Break
11.30-11.55	<b>Gary McGuire</b> , University College Dublin <i>APN and Highly Nonlinear Functions on <math>\mathbf{Z}_n</math> and Applications</i>
11.55-12.20	<b>Verónica Requena</b> , University of Alicante <i>On the construction of bent functions of <math>2k</math> variables from a primitive polynomial of degree <math>k</math></i>
12.20-12.45	<b>Joachim Rosenthal</b> , University of Zurich <i>Observing a very noisy state output system and applications to stream ciphers</i>
12.45-14.15	Lunch
14.15-15.00	<b>Jean-Guillaume Dumas</b> , Joseph Fourier University Grenoble <i>The LinBox exact linear algebra library and applications to cryptology and codes</i>
15.00-15.25	<b>Danny Lynch</b> , University College Dublin <i>On the Roots of a Polynomial connected to Coding and Costas Arrays</i>
15.25-15.50	<b>Alicia Roca</b> , Polytechnic University of Valencia <i>Proposal of a power-efficient modified 8B/10B coding scheme</i>
15.50-16.15	Break
16.15-16.40	<b>John Sheekey</b> , University College Dublin <i>Skew Polynomial Ring Codes</i>
16.40-17.05	<b>Sara Díaz</b> , University of Alicante <i>Other construction of cyclic low-density MDS array codes</i>
17.05-17.30	<b>Marcus Greferath</b> , University College Dublin <i>A Speculative Approach to Best's (10,40,4) Code</i>
19.00.	Conference dinner

### Friday, Sept. 4

9.30-16.00	Excursion to Newgrange
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