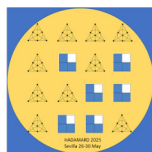


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Conference programme

Monday, May 26

8:00 - 8:45	REGISTRATION
8:45 - 9:00	OPENING
9:00 - 9:40	[Session chair: Andrés Armario] Hadi Kharaghani <i>On Hadamard matrices of order $4n^2$, n odd</i>
9:40 - 10:20	Sho Suda <i>A construction of Hadamard cubes from association schemes on triples</i>
10:20 - 10:50	COFFEE
10:50 - 11:30	[Session chair: Sho Suda] Koji Momihara <i>Non-commutative association schemes having divisible design graphs as relations from pseudo-cyclic association schemes</i>
11:30 - 12:10	Jonathan Jedwab <i>The maximum number of mutually orthogoval Desarguesian affine planes of order 2^n</i>
12:10 - 12:50	Daniel M. Gordon <i>Cyclic Relative Difference Sets</i>
13:00 - 14:30	LUNCH
14:30 - 14:50	[Session chair: Dean Crnković] Vedran Krčadinac <i>On higher-dimensional Hadamard matrices and designs</i>
14:50 - 15:10	Lucija Relić <i>Projection cubes of symmetric designs</i>
15:10 - 15:30	Andrea Švob <i>Switching for 2-designs and applications</i>
15:30 - 15:50	Travis Dillon <i>Fixed-strength spherical designs</i>
15:50 - 16:20	COFFEE
16:20 - 16:40	[Session chair: Félix Gudiel] Daniel Šanko <i>Legendre pairs, balanced incomplete block designs and codes</i>
16:40 - 17:00	Oisín Campion <i>New Constructions of Quantum MDS codes</i>
18:00 - 20:00	INDIVIDUAL VISIT TO ROYAL ALCÁZAR
20:00 - ...	Restaurante El Cabildo (Tapas)

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Tuesday, May 27

9:00 - 10:00	[Session chair: Padraig Ó Catháin] Dane Flannery <i>Perspectives on algebraic design theory</i>
10:00 - 10:20	Santiago Barrera Acevedo <i>Automorphisms of Kimura Hadamard Matrices</i>
10:20 - 10:50	COFFEE
10:50 - 11:30	[Session chair: Dane Flannery] Padraig Ó Catháin <i>A new perspective on cocyclic development</i>
11:30 - 12:10	Ronan Egan <i>A generalisation of bent vectors for Butson Hadamard matrices</i>
12:10 - 12:50	Assaf Goldberger <i>Solving the inverse Gram problem over commutative matrix $*$-algebras over $\mathbb{Z}$ using lattice methods</i>
13:00 - 14:30	LUNCH
14:30 - 14:50	[Session chair: Assaf Goldberger] Sergey Goryainov <i>Three results on divisible design graphs</i>
14:50 - 15:10	Anwita Bhowmik <i>Divisible design graphs from symplectic graphs over rings with precisely three ideals</i>
15:10 - 15:30	Gary Greaves <i>How to design a graph with three eigenvalues</i>
15:30 - 15:50	Vladislav V. Kabanov <i>New construction of divisible design graphs using affine designs</i>
15:50 - 16:20	COFFEE
16:20 - 16:40	[Session chair: Ronan Egan] Tin Zrinski <i>Constructing directed strongly regular graphs using their orbit matrices and genetic algorithm</i>
16:40 - 17:00	Patrick Browne <i>Erdős–Ko–Rado type problems in root systems</i>
17:00 - 17:20	Struan McCartney <i>New CEDFs and Related Constructions</i>
17:20 - 17:40	Shuxing Li <i>Partial Difference Sets: Broadening the Scope of the Denniston Family</i>
19:30	FLAMENCO

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Wednesday, May 28

9:00 - 9:40	[Session chair: Robert Craigen] Jennifer Seberry <i>Census of symmetric and skew Hadamard matrices of order $4v$ for odd $v < 2500$</i>
9:40 - 10:20	Ilias S. Kotsireas <i>B. O. & T. Q.</i>
10:20 - 10:50	COFFEE
10:50 - 11:30	[Session chair: Ilias Kotsireas] Dean Crnković: <i>Self-orthogonal and LCD subspace codes</i>
11:30 - 12:10	Mihaly Weiner <i>Intrinsic volumes of the quantum state space and mutually unbiased bases</i>
12:10 - 12:50	Dardo Goyeneche <i>Searching for mutually unbiased bases in non-prime power dimensions</i>
13:00 - 14:30	LUNCH
14:30 - 14:50	[Session chair: Mihaly Weiner] Doris Dumičić Danilović: <i>On some Hadamard 2-designs and related codes</i>
14:50 - 15:10	Reza Dastbasteh <i>Generalized bicycle codes with small connectivity and their properties</i>
15:10 - 15:30	Emre Güday <i>Conditional Recurrences and 2-Quasi-Cyclic Codes</i>
15:30 - 15:50	Tabriz Popatia <i>Additive Codes and Projective Geometries</i>
15:50 - 16:20	COFFEE
17:30 - ...	POTTERY (<i>Barroazul</i>)

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Thursday, May 29

9:00 - 10:00	[Session chair: Hadi Kharaghani] Robert Craigen <i>Signed groups and Connections to Hadamard (etc) matrices</i>
10:00 - 10:20	Shalom Eliahou <i>On 64-modular Hadamard matrices</i>
10:20 - 10:50	COFFEE
10:50 - 11:30	[Session chair: Máte Matolcsi] Ingemar Bengtsson <i>Some applications of the discrete Fourier transform to the SIC-POVM problem</i>
11:30 - 12:10	Karol Życzkowski <i>Complex Hadamard matrices with special structure</i>
12:10 - 12:30	Wojciech Bruzda <i>Isolated Hadamard Matrices</i>
12:30 - 12:50	Sara D. Cardell <i>A Study on Binomial Sequences over Finite Fields</i>
12:50 - 13:00	GROUP PHOTO At the entrance of ETSII
13:00 - 14:30	LUNCH
14:30 - 14:50	[Session chair: Jonathan Jedwab] Petr Lisoněk <i>On a new class of Hadamard matrices</i>
14:50 - 15:10	Tuomo Valtonen <i>Novel non-affine families of 8 x 8 complex Hadamard matrices</i>
15:10 - 15:30	Pekka Lampio <i>Classification of weighing matrices</i>
15:30 - 15:50	Ondřej Turek <i>Circulant complex Cretan matrices</i>
15:50 - 16:20	COFFEE
16:20 - 16:40	[Session chair: Raul Falcón] Tekgül Kalaycı <i>Bent partitions, vectorial dual-bent functions, and LP-Packings</i>
16:40 - 17:00	Ferruh Özbudak <i>On Alltop functions, p-ary Alltop functions and almost Hadamard matrices</i>
17:00 - 17:20	Leonie Scheeren <i>Complex projective 4-designs as orbits of Clifford-Weil groups</i>
17:20 - 17:40	Daniel McNulty <i>Joint measurements from resolvable designs</i>

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17:40 - 18:00	Rakesh Kumar <i>Exploring the presence 4th MUB in the zero-entanglement subspace of C^6</i>
18:00 - 18:20	Sergi Sánchez-Aragón <i>Weight distributions of $\mathbf{Z}_{p^s}$-linear simplex and MacDonald codes</i>
18:20 - 18:40	Paul Leopardi <i>Boolean-Cayley-graphs: Using Sage and Python software to explore Boolean functions, their Cayley graphs and associated structures</i>
18:40 - 19:00	Domingo Gómez-Pérez <i>Recent Advances in the Construction of Hadamard Matrices Using Legendre Pairs</i>
20:30 - 22:00	CONFERENCE DINNER (<i>Doña Clara</i>)

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Friday, May 30

9:00 - 9:40	[Session chair: Victor Álvarez] Máte Matolcsi <i>Triplets of mutually unbiased bases</i>
9:40 - 10:20	Ferenc Szöllősi <i>Old and new results on Hadamard matrices of order 6</i>
10:20 - 10:50	COFFEE
10:50 - 11:30	[Session chair: Ferenc Szöllősi] Markus Grassl <i>Exact SIC-POVMs from Permutation Symmetries</i>
11:30 - 12:10	Stefan Weigert <i>Mutually Unbiased Bases For Continuous Variables</i>
12:10 - 12:30	Balázs Pozsgay <i>Close-to-perfect tensors for holographic error correction codes</i>
12:30 - 12:50	Víctor Sotomayor <i>On dualities of dihedral codes, generalised quaternion codes, and associated quantum codes</i>
12:50 - 13:00	CLOSING
13:00 - 14:30	LUNCH