

Time	Main Room	Room A	Room A1	Room B
10:30/10:50	<b>B. Csajbók</b> <i>Extending a result of Carlitz and McConnel to polynomials which are not permutations</i>	<b>B. De Bruyn</b> <i>Neumaier graphs with exactly five eigenvalues</i>	<b>S. Barrera-Acevedo</b> <i>Automorphism of Kimura Hadamard Matrices</i>	<b>A. Paul</b> <i>Flag Invariants of Rank Metric Codes</i>
10:50/11:10	<b>T. Aprigio</b> <i>Minimal Value Set Binomials</i>	<b>G. C. Bruns</b> <i>A New Representation-Theoretic Approach to the Spectrum of Kneser-Type Graphs</i>	<b>J. A. Davis</b> <i>Generalized Denniston Partial Difference Sets</i>	<b>M. Bonini</b> <i>Tensor Rank of Matrix Codes from Products of AG Codes</i>
11:10/11.50	<b>COFFEE BREAK</b>			
11:50/12:10	<b>D. Panario</b> <i>Cycle Structure of Feedback Linearly Extended Discrete Functions</i>	<b>Zs. Weiner</b> <i>Multisets with few determined directions and small weight codewords in Desarguesian planes</i>	<b>T. Kemp</b> <i>A general result for latin squares with disjoint subsquares</i>	<b>T. Hirschmüller</b> <i>Combinatorial Properties of Discrete Balls</i>
12:10/12:30	<b>O. Geil</b> <i>Toward a unified theory for common affine roots of general sets of multivariate polynomials</i>	<b>N. Harrach</b> <i>The resultant method in higher dimensions</i>	<b>H. Liu</b> <i>Perfect difference families, perfect systems of difference sets and their applications</i>	<b>T. Abualrub</b> <i>Additive quasi-conjucyclic codes</i>
12:30/12:50	<b>S. Mesnager</b> <i>Involution Spaces: Emerging Structures, Unified Constructions, and Applications</i>	<b>M. Kepes</b> <i>Multiple blocking sets in <math>PG(2, p^n)</math></i>	<b>E. Swartz</b> <i>Combinatorial transfer: a method for constructing infinite families of difference sets and partial difference sets in nonabelian groups</i>	<b>S. Majstorović Ergotić</b> <i>On the Šoltés problem for the Kirchhoff index of a graph</i>
12:50/13:10	<b>I. Villa</b> <i>Counting the quadratic relations for a vectorial Boolean function</i>	<b>B. Kovács</b> <i>A superlinear improvement on 2-blocking sets in <math>AG(3, p)</math></i>	<b>A. Wassermann</b> <i>Computational combinatorial construction with solvediophant</i>	<b>N. J. Werner</b> <i>The number of reachable pairs in a digraph</i>

Time	Main Room	Room A	Room A1	Room B
16:40/17:00	<b>D. Crnković</b> <i>q-ary distance-regular graphs</i>	<b>Y. Xie</b> <i>A new construction of divisible design graphs from distance-regular graphs related to the classical Ree groups and Suzuki groups</i>	<b>F. Polizzi</b> <i>The enumeration of some finite quotients of surface braid groups, and complex surfaces of general type</i>	<b>L. Vicino</b> <i>Hierarchical Locally Recoverable Codes on surfaces</i>
17:00/17:20	<b>L. François</b> <i>Eigenvalues of the trilinear forms graph</i>	<b>R. Simoens</b> <i>Thirty-six quantum officers are entangled</i>	<b>T. Valtonen</b> <i>Equivalence of Complex Hadamard Matrices</i>	<b>P. Sabatino</b> <i>Finite quotients of pure surface braid groups and double Kodaira surfaces</i>
17:20/17:40	<b>G. Monzillo</b> <i>On dual adjacency matrix (candidate) and (weakly) uniform structure</i>	<b>J. Sheekey</b> <i>Generalisations of Latin Squares</i>	<b>L. Mella</b> <i>On the Hadamard quasigroup product</i>	<b>G. Schulte</b> <i>Linear system of curves and evaluation codes</i>
17:40/18:00	<b>V. Smaldore</b> <i>Switching in tangent polar graphs</i>	<b>W. Kellough</b> <i>Almost Locally Equitable Colourings of BIBDs</i>	<b>C. A. Piedade</b> <i>p-Sylow geometries of Classical groups</i>	<b>G.G. Grimaldi</b> <i>On the classification of Dillon's APN hexanomials</i>

Time	Main Room	Room A	Room A1	Room B
10:10/10:30	<b>M. Buratti</b> <i>Additive Steiner 2-designs</i>	<b>G. N. Alfarano</b> <i>Minimal additive codes</i>	<b>G. P. Nagy</b> <i>Linear type vertex-transitive strongly regular graphs</i>	<b>M. Pankov</b> <i>Four relations on the set of point-hyperplane anti-flags</i>
10:30/10:50	<b>M. Pavone</b> <i>Old and new solutions of Kirkman's schoolgirl problem</i>	<b>A. Giannoni</b> <i>Thresholds for Tic-Tac-Toe on Finite Affine Spaces</i>	<b>T. Héger</b> <i>A result on Zarankiewicz' Problem</i>	<b>S. Pasotti</b> <i>Clifford-like parallelisms in kinematic spaces arising from quadratic algebras</i>
10:50/11:30	<b>COFFEE BREAK</b>			
11:30/11:50	<b>G. Mazzuocolo</b> <i>Uniquely Normal Graphs</i>	<b>G. Micheli</b> <i>On some applications of the theory of Drinfeld modules</i>	<b>N. E. Clarke</b> <i>Cops Against a Cheating Robber</i>	<b>R. Yadav</b> <i>Majority Logic Decoding of Affine Grassmann Codes Over Nonbinary Fields</i>
11:50/12:10	<b>M. Ahanjideh</b> <i>Cayley graphs, flows and pseudoforests</i>	<b>A. Vallefucio</b> <i>Covering Radius of Linear Rank-Metric Codes: A Geometric Point of View</i>	<b>L. Podrug</b> <i>Partial cubes and resonance graphs</i>	<b>F. Ghiandoni</b> <i>Concise <math>3 \times 3 \times 3</math> tensors</i>
12:10/12:30	<b>D. Mattiolo</b> <i>On the existence of factors intersecting sets of cycles in regular graphs</i>	<b>U. Murrar</b> <i>One-weight codes in the sum-rank metric</i>	<b>A. Ravi</b> <i>Triangle-free subsets of the <math>r</math>-distance graph of the Hypercube</i>	<b>N. Alnajjarine</b> <i>Nets of conics in <math>PG(2, q)</math>, <math>q</math> even</i>
12:30/12:50	<b>P. Negrini</b> <i>Flow resistance to resistance ratio in cyclically 5-edge-connected snarks</i>	<b>G. Zampella</b> <i>A Sum-Rank Analogue of Reed-Muller Codes</i>	<b>J. Sedlar</b> <i>Metric dimension and fault tolerance</i>	<b>P. Pradhan</b> <i><math>PGL_2(q)</math> —orbits of lines of <math>PG(3, q)</math> and binary quartic forms in characteristic three</i>



# COMBINATORICS 2026

Tuesday 26 May — Contributed Talks  
AFTERNOON



Time	Main Room	Room A	Room A1	Room B
16:40/17:00	<b>A. Pasotti</b> <i>On relative Heffter spaces</i>	<b>M. Stanojkovski</b> <i>Spherical Codes in Buildings</i>	<b>R. Jurrius</b> <i>What is the <math>q</math>-analogue of a binary code?</i>	<b>C. Castello</b> <i>Quasi-optimal cyclic orbit codes</i>
17:00/17:20	<b>M. Żynel</b> <i>Point-line approach to symmetric <math>(15,8,4)</math>-designs and their automorphisms</i>	<b>T. Alderson</b> <i>Length-Maximal Codes, Existence and Structure</i>	<b>M. Ceria</b> <i>The incidence matrix of a <math>q</math>-ary graph</i>	<b>M.A. Navarro-Pérez</b> <i>Motzkin paths and flag codes</i>
17:20/17:40	<b>K. Petelczyc</b> <i>The automorphism groups of the symmetric <math>(15,8,4)</math>-designs</i>	<b>H. Beeloo-Sauerbier Couvée</b> <i>Embeddings, Enumeration, and Errors: Combinatorial Problems in Projective Metrics</i>	<b>L. Xu</b> <i>On the representability of the direct sum of (near-)uniform <math>q</math>-matroids</i>	<b>B. Toesca</b> <i>Schubert subspace codes from colorings of the <math>q</math>-Johnson graph</i>
17:40/18:00	<b>F. Salizzoni</b> <i>Designs, toric ideals, and three-point functions</i>	<b>L. Relić</b> <i>On projection cubes of symmetric designs</i>	<b>A. Fulcher</b> <i>A cyclic flat embedding theorem for transversal <math>q</math>-matroids</i>	<b>T. Dutta</b> <i>Minimum weight codewords of Schubert codes</i>

Time	Main Room	Room A	Room A1	Room B
10:10/10:30	<b>G. Van de Voorde</b> <i>Pappus configurations in the Hall Plane</i>	<b>M. Timpanella</b> <i>Large automorphism groups and <math>p</math>-ranks of algebraic curves in characteristic <math>p</math></i>	<b>A. Rousseva</b> <i>On <math>(q^2 + q, q)</math>-blocking sets in <math>PG(2, q)</math></i>	<b>M. Kwiatkowski</b> <i>Tops in the Graph of Two-Dimensional Simplex Codes, Nuclei and Near Orthomorphisms</i>
10:30/10:50	<b>G. Kiss</b> <i>On the <math>((3n)_4)</math>-configurations of Kármány</i>	<b>G. Zini</b> <i>New families of ordinary curves with many automorphisms</i>	<b>D. R. Szabó</b> <i>The general position <math>no-(d + 2)</math>-on-a-sphere problem and its generalisations</i>	<b>M. Newman</b> <i>The Neighbor Graph of Linear Complementary Dual (LCD) Codes</i>
10:50/11:10	<b>Z. L. Nagy</b> <i>Secant size distributions in projective planes</i>	<b>A. Dionigi</b> <i>Algebraic curves with a large cyclic automorphism group</i>	<b>A.-L. Horlemann</b> <i>Array Codes from Perfect One-Factorizations</i>	<b>L. Reis</b> <i>Graphs of quadratic forms generated by vector spaces over finite fields</i>

Time	Main Room	Room A	Room A1	Room B
10:10/10:30	<b>P. P. Pach</b> <i>On the density of Kravitz sets</i>	<b>A. Aguglia</b> <i>Barlotti–Cofman Representation of quasi-Hermitian varieties</i>	<b>V. Taranchuk</b> <i>Large line-free sets and their applications</i>	<b>D. A. Pike</b> <i>Edge-connectivity of vertex-transitive hypergraphs</i>
10:30/10:50	<b>S. Costa</b> <i>Graham conjecture on small sets in abelian groups</i>	<b>I. Cardinali</b> <i>Minimal codes from embedded point-line geometries</i>	<b>A. Donno</b> <i>A perfect code on the Schreier graphs of an automaton group</i>	<b>A. J. P. Beltran</b> <i>Minimal Codewords of Codes from Directed Graphs</i>
10:50/11:30	<b>COFFEE BREAK</b>			
11:30/11:50	<b>P. J. Browne</b> <i>Cliques in Graphs Constructed from Strongly Orthogonal Subsets in Exceptional Root Systems</i>	<b>M. Borello</b> <i>The geometry of rank-metric codes</i>	<b>V. Krčadinac</b> <i>A new Steiner 3-design</i>	<b>A. Ciampella</b> <i>On the nullity of T-gain graphs</i>
11:50/12:10	<b>P. Heering</b> <i>Cocliques and the Chromatic Number of generalized Kneser graphs</i>	<b>Q. Li</b> <i>On the dimension of the space generated by maximum rank distance codes</i>	<b>G. Falcone</b> <i>Steiner triple systems with many Veblen points</i>	<b>A. Vietri</b> <i>An application of signed graphs to crop production with different species in the same parcel</i>
12:10/12:30	<b>A. Burgess</b> <i>Colouring Kirkman triple systems</i>	<b>V. Astore</b> <i>A Characterization of Some Linearized Reed-Solomon Codes</i>	<b>R. Škrekovski</b> <i>List proper conflict-free colorings</i>	<b>M. Jelić Milutinović</b> <i>From Graphs to Complexes</i>
12:30/12:50	<b>S. Pourakbar-Saffar</b> <i>Uniquely 2-colourable 4-cycle systems exist! A blossoming construction</i>	<b>M. Messia</b> <i>On the Etzion and Silberstein conjecture for block Ferrers diagrams</i>	<b>W. Asakly</b> <i>Sum of elements preceding records in set partitions</i>	<b>R. W. Maffucci</b> <i>Common neighbours in planar graphs</i>

Time	Main Room	Room A	Room A1	Room B
16:40/17:00	<p><b>L. Storme</b> <i>Partial <math>t</math>-spreads and minimal <math>t</math>-covers in finite classical polar spaces</i></p>	<p><b>W. Yan</b> <i>A new construction of divisible design graphs and strongly regular graphs from Mathon distance-regular graphs</i></p>	<p><b>O. Ağirseven</b> <i>On the (expanded) Buratti-Horak-Rosa Conjecture for Small Supports</i></p>	<p><b>V. Batens</b> <i>Generalized quadrangles of order <math>s</math> with regularity properties</i></p>
17:00/17:20	<p><b>S. Adriaensen</b> <i>Even Sets and Dual Projective Geometric Codes: A Tale of Cylinders</i></p>	<p><b>S. Goryainov</b> <i>Two new recursive constructions of regular symmetric Hadamard matrices with constant diagonal</i></p>	<p><b>A. Lacaze-Masmonteil</b> <i>Decompositions of the wreath product of two hamiltonian decomposable directed graphs into hamiltonian cycles</i></p>	<p><b>D. Biswas</b> <i>Polytope–Tableau Correspondences for Type A KR Crystals</i></p>
17:20/17:40	<p><b>I. Landjev</b> <i>Divisibility and Quasidivisibility of Arcs in <math>PG(r, q)</math></i></p>	<p><b>Š. Gyürki</b> <i>Extremal bipartite edge-girth-regular graphs constructed as bi-coset graphs</i></p>	<p><b>J. Palmen</b> <i>Decompositions of <math>C(n, \{1,3\})</math> into circuits</i></p>	<p><b>M. Ferreri</b> <i>Circular sorting in the alternating group</i></p>
17:40/18:00	<p><b>L. Moura</b> <i>Existence of three anti-cocircular truncated Möbius planes and strength-4 covering arrays</i></p>	<p><b>A. Švob</b> <i>On some new directed strongly regular graphs having 60 vertices</i></p>	<p><b>A. Sgueglia</b> <i>On Kotzig's conjecture in random graphs</i></p>	<p><b>B. Stołowska</b> <i>On rainbow caterpillars</i></p>

Time	Main Room	Room A	Room A1	Room B
10:00/10:20	<b>C. Carvalho</b> <i>On the number of minimal and next-to-minimal weight codewords of certain toric codes</i>	<b>S. Capparelli</b> <i>An application of automata to partition identities</i>	<b>G. Navarro</b> <i>A knapsack McEliece-based public key cryptosystem</i>	<b>S. Spessato</b> <i>On the complement of a signed graph</i>
10:20/10:40	<b>F. Zullo</b> <i>The square span of a subspace and quadrics over finite fields</i>	<b>M. Gaici</b> <i>The Flag-Transitive and Point-Imprimitive Symmetric <math>(v, k, \lambda)</math>-Designs with <math>v &lt; 100</math></i>	<b>K. Abdukhalikov</b> <i>Some families of linear codes containing non-GRS MDS codes</i>	<b>V. Souza</b> <i>Dense induced subgraphs of the hypercube</i>
10:40/11:00	<b>A. Di Giusto</b> <i>The Service Rate Region of the Golay codes</i>	<b>J. Ballarin Corvinos</b> <i>Accurate computations with the ballot table</i>	<b>M. Scotti</b> <i><math>(s, t)</math>-intersecting codes</i>	<b>T. van Veluw</b> <i>Hoffman colorability of graphs with smallest eigenvalue at least <math>-2</math></i>
11:00/11:30	<b>COFFEE BREAK</b>			
12:40/13:00	<b>M. Rodgers</b> <i>Rank two commutative semifields</i>	<b>G. Tizziotti</b> <i>A formula for the Geil-Matsumoto bound on numerical semigroups</i>	<b>F. Merola</b> <i>Some new Circular External Difference Families</i>	<b>L. Klawuhn</b> <i>The intersection distribution and its uses in finite geometry</i>
13:00/13:20	<b>S. Petit</b> <i>The Embedding of the Ree-Tits Octagon</i>	<b>L. Campioni</b> <i>A Geometric Characterization of Unrefinable Partitions via the Keith-Nath Transformation</i>	<b>N. Van de Berg</b> <i>Is the giant cospectral?</i>	<b>J. Chu</b> <i>Addition-Deletion for SPOG Arrangements</i>
13:20/13:40	<b>G. Spriano</b> <i>Non-Additive Partition Codes in the Sum-Rank Metric</i>	<b>A. Yadav</b> <i>Quaternary codes with improved parameters from Simplicial Complexes</i>	<b>P. Danziger</b> <i>Packing designs with large block size</i>	<b>E. Romano</b> <i>A classification of the flag-transitive <math>2 - (v, k, \lambda)</math> designs with <math>\lambda \geq (r, \lambda)^2</math></i>
13:40/14:00	<b>E. Feneux</b> <i>Higher Order MDS Codes</i>	<b>A. Tiwari</b> <i>On Polycyclic Codes over <math>\mathbb{F}_{p^m}[u]/\langle u^t \rangle</math> and their Cardinalities</i>		