

Sunday 4 June

17:30 – 20:00 Registration

Monday 5 June

Plenary talks

10:00 – 10:55 Kristin LAUTER: “How to Keep your Secrets in a Post-Quantum World”

11:00 Coffee Break

11:35 – 12:30 Chaoping XING: “Three Combinatorial Problems in Theoretical Computer Science”

13:00 Lunch Break

Contributed talks

	SESSION A	SESSION B
15:30 – 15:50	Gábor KORCHMÁROS: “Curves with large automorphism groups in positive characteristic”	Roberto CIVINO: “Generalised Round Functions for Block Ciphers”
15:55 – 16:15	Daniele BARTOLI: “AG codes from the GK and the GGS curves”	Domingo GOMEZ-PEREZ: “On the expansion complexity and i -expansion complexity”
16:20 – 16:40	Matteo BONINI: “Minimal weight codewords of some codes from the GK curve”	Sihem MESNAGER: “On the nonlinearity of Boolean functions with restricted input”
16:40	Coffee Break	

Contributed talks

	SESSION A	SESSION B
17:10 – 17:30	Jan DE BEULE: “Blocking sets of Hall planes and value sets of polynomials over finite fields”	Ariane MASUDA: “Collision-free bounds for the BSV hash”
17:35 – 17:55	Francesco PAVESE: “Ovoids of $\mathcal{H}(3, q^2)$, q odd, admitting a group of order $\frac{(q+1)^3}{2}$ ”	Yves AUBRY: “Second order differential uniformity”
18:00 – 18:20	Maarten DE BOECK: “New families of KM-arcs”	Violetta WEGER: “Weight Two Masking in the McEliece System”

Tuesday 6 June

Plenary talks

09:00 – 9:55 Massimo GIULIETTI: “Maximal Curves over Finite Fields”

Contributed talks

SESSION A

10:00 – 10:20 Giovanni LONGOBARDI: “Pre-symplectic semifields”
10:25 – 10:45 Valentina PEPE: “Symplectic semifield spreads of $PG(5, q)$, q even”
10:50 – 11:10 Sam MATTHEUS: “The (weak) cylinder conjecture and its reduction to a weight function in $AG(2, p)$ ”

SESSION B

Beatriz MOTTA: “P-Chain Codes”
Martino BORELLO: “Symmetries of weight enumerators”
Leyla ATEŞ: “On short vectors in function field lattices”

11:15 Coffee Break

Contributed talks

SESSION A

11:40 – 12:00 Pietro SPEZIALI: “Automorphisms of even genus ordinary curves”
12:05 – 12:25 Maria MONTANUCCI: “ \mathbb{F}_{p^2} -maximal curves with many automorphisms are Galois-covered by the Hermitian curve”
12:30 – 12:50 Giovanni ZINI: “Generalized Artin-Mumford curves and their automorphisms”

SESSION B

Ka HIN LEUNG: “Structure of Group Invariant Weighing Matrices of Small Weight”
Robert GRANGER: “On the Enumeration of Irreducible Polynomials over $GF(q)$ with Prescribed Coefficients”
Christian GÜNTHER: “ L^α norms of polynomials derived from characters of finite fields”

13:00 Lunch Break

Contributed talks

SESSION A

15:30 – 15:50 Simeon BALL: “Arcs and the \sqrt{q} conjecture”
15:55 – 16:15 Herivelto BORGES: “Slices of Fermat Surfaces over Finite Fields and Curves with Many Points”
16:20 – 16:40 Luca GIUZZI: “Hermitian Line Polar Grassmann Codes”

SESSION B

Megha KOLHEKAR: “On Permutation Polynomial Representatives, their Matrices and their Inverses”
Daniel PANARIO: “The Graph Structure of Chebyshev Polynomials over Finite Fields”
Simone UGOLINI: “On some iterative constructions of irreducible polynomials over finite fields”

16:40 Coffee Break

Contributed talks

SESSION A

17:10 – 17:30 Gábor P. NAGY: “On the computer algebra implementation of Hermitian codes”
17:35 – 17:55 Mark PANKOV: “Isometric embeddings of Johnson graphs in Grassmann graphs and generalized arcs”
18:00 – 18:20 Angela AGUGLIA: “On singular quasi-Hermitian varieties”
18:25 – 18:45 Angelo SONNINO: “Inherited unitals in Moulton planes of odd order”

SESSION B

Longjiang QU: “New Constructions of Permutation Polynomials with the Form of $xh(x^{q-1})$ over \mathbb{F}_{q^2} ”
Arne WINTERHOF: “Carlitz rank and index of permutation polynomials”
Giacomo MICHELIN: “Regular patterns of irreducible polynomials”
Marc MUNSCH: “On the minimal number of small elements generating finite prime fields”

Wednesday 7 June

Plenary talks

9:00 – 9:55 Julia WOLF: “Additive combinatorics over Finite Fields: recent progress and open problems”

Contributed talks

SESSION A

10:00 – 10:20 Jürgen BIERBRAUER: “Additive quaternary codes”
10:25 – 10:45 Petr LISONĚK: “On a family of APN quadrimonomials”
10:50 – 11:10 Valentin SUDER: “A Note on Complete Mappings over \mathbb{F}_{2^n} ”

11:15 Coffee Break

SESSION B

Anurag BISHNOI: “The cage problem and finite geometry”
Anna-Lena HORLEMANN-TRAUTMANN: “A Complete Classification of Partial-MDS (Maximally Recoverable) Codes Correcting one Additional Erasure”
Mariusz KWIATKOWSKI: “SR-construction of linear codes and application to the simplex codes”

Contributed talks

SESSION A

11:40 – 12:00 Sébastien DUVAL: “On a generalisation of Dillon’s APN permutation”
12:05 – 12:25 Wilfried MEIDL: “Bent function generalizations and their transforms”
12:30 – 12:55 Kanat ABDUKHALIKOV: “Bent functions, ovals and line ovals”

13:00 Lunch Break

15:00 Excursion to Grotta di Tiberio

SESSION B

Jonathan JEDWAB: “Costas cubes”
Jordy VANPOUCKE: “General Properties of Costas Permutations and Graphs from Hops and Alternating Runs”
Giorgos KAPETANAKIS: “On a conjecture of Morgan and Mullen”

Thursday 8 June

Plenary talks

9:00 – 9:55	Alev TOPUZOĞLU: “On permutation polynomials over finite fields”
10:00 – 10:55	Daniel KATZ: “Character Sums, Correlation and Nonlinearity”

11:00 Coffee Break

Contributed talks

	SESSION A	SESSION B
11:30 – 11:50	Marco BURATTI: “Combinatorial designs over finite fields”	Nurdagül ANBAR: “On the difference of permutation polynomials”
11:55 – 12:15	Oktay OLMEZ: “Binary three-weight linear codes from partial geometric difference sets”	Rainer GÖTTFERT: “Entropy Extraction via Decimation”
12:20 – 12:40	Jim DAVIS: “Constructions of Partial Geometric Difference Sets”	László MÉRAI: “On the pseudorandomness of automatic sequences”
13:00	Lunch Break	

Contributed talks

	SESSION A	SESSION B
15:30 – 15:50	Leo STORME: “On the geometrical sunflower bound”	Augustine MUSUKWA: “Counting Extended Irreducible Binary Goppa Codes of Degree $2p$ and Length $2^n + 1$ ”
15:55 – 16:15	Relinde JURRIUS: “A q -analogue of perfect matroid designs”	Avaz NAGHIPOUR: “Construction of binary quantum codes on closed orientable surfaces”
16:20 – 16:40	Kai-Uwe SCHMIDT: “On the number of inequivalent MRD codes”	Elif SAÇIKARA: “Concatenated Structure and a Minimum Distance Bound for Generalized Quasi-Cyclic Codes”
16:40	Coffee Break	

Contributed talks

	SESSION A	SESSION B
17:10 – 17:30	Hiroaki TANIGUCHI: “Dual hyperovals from three or more semifields”	Cathy SWAENPOEL: “Digits in finite fields”
17:35 – 17:55	Ferruh ÖZBUDAK: “Self-duality of generalized twisted Gabidulin codes”	P.L. SHARMA: “Existence of normal elements with prescribed trace vectors over finite fields”
18:00 – 18:20	John SHEEKEY: “An algebraic construction for new MRD codes and new semifields”	David THOMSON: “Towards primitive k -normality”
18:25 – 18:45	Alessandro SICILIANO: “Puncturing maximum rank distance codes”	Mahmood ALIZADEH: “On the k -normal elements over finite fields”
20:00	Social dinner	

Friday 9 June

Plenary talks

9:00 – 9:55

Qiang WANG: “Polynomials over finite fields: an index approach”

Contributed talks

SESSION A

SESSION B

10:00 – 10:20

Iván BLANCO-CHACÓN: “Rank metric codes and Zeta functions: bounds, functional equations and conjectures”

Buket ÖZKAYA: “Some Recent Results on LCD Codes”

10:25 – 10:45

Eimear BYRNE: “Puncturing, Shortening and the Rank Metric Zeta Function”

Horacio TAPIA-RECILLAS: “On constacyclic codes over a class of finite local non-chain Frobenius rings”

10:50

Coffee Break

11:25 – 11:45

Sascha KURZ: “Upper bounds for partial spreads from divisible codes”

Assia ROUSSEVA: “On Arcs with High Divisibility Related to Linear Codes”

11:50 – 12:10

Alessandro NERI: “On linear Generalized Twisted Gabidulin codes and the existence of new MRD codes”

Maosheng XIONG: “Cyclic codes of composite length and the minimum distance”

12:15 – 12:35

Lucas REIS: “On the factorization of polynomials of the form $f(x^n)$ over finite fields”

Nurdagül ANBAR: “Spectra and Equivalence of Boolean Functions”

13:00

Lunch Break

15:30 – 15:50

Gohar KYUREGHYAN: “On permutation polynomials of shape $X^k + \gamma \operatorname{Tr}_{q^n/q}(X^d)$ ”

Stiofáin FORDHAM: “On the height of the formal group of a smooth projective hypersurface”

15:55 – 16:15

Ömer KÜÇÜKSAKALLI: “Bivariate polynomial mappings associated with simple complex Lie algebras”

Satoru FUKASAWA: “A birational embedding of an algebraic curve into a projective plane with two Galois points”

16:20 – 16:40

Lisa NICKLASSON: “The Lefschetz properties of monomial algebras over finite fields”

Seon Jeong KIM: “Number of points of a nonsingular hypersurface in an odd-dimensional projective space”

16:40

Coffee Break

17:10 – 17:30

Ivan LANDJEV: “On Homogeneous Arcs and Linear Codes over Finite Chain Rings”

Emrah Sercan YILMAZ: “Counting Points on Curves and Irreducible Polynomials over Finite Fields”

17:35 – 17:55

Todd MATEER: “Improved decoding of Quick Response (QR) codes”

Nazar ARAKELIAN: “Number of rational points of a singular plane curve over a finite field”