

<u>Monday</u>	<u>June 19, 2023</u>	<u>SESSION II:</u> <u>Amphitheater 250 (invited talk) and</u> <u>Amphitheater 150 (contributed talks)</u>
9:00-9:15	<u>Registration-HALL</u>	
9:15-9:30	<u>Welcome-Opening Amphitheater 250</u>	
09:30- 10:30	<u>Invited Talk (Amphitheater 250)</u> <u>Alexander Barg</u>	Talk title: Coding for node recovery on Graphs
10:30-11:00	<u>Coffee break (30 mn)</u>	
<u>chairwoman:</u> <u>Annamaria Iezzi</u>	(Amphitheater 150): contributed talks 11:00-12:25	Algebraic geometry and number theory approach (I)
11:00 -11:20	Name Marco Timpanella	Algebraic curves in positive characteristic and their invariants Full list of authors Massimo Giulietti, Gábor Korchmáros, Marco Timpanella
11:25-11:45	Name Neslihan Girgin Ozturk	A number theoretical approach to Polynomials over finite fields Full list of authors Alp Bassa, Neslihan Girgin Ozturk, Emrah Sercan Yilmaz

11:50-12:10	Name Barbara Gatti	Galois sub-covers of the Hermitian curve in characteristic p with respect to subgroups of order p^2 Full list of authors Barbara Gatti, Francesco Ghiandoni, Gábor Korchmáros
12:15-12:35	Name Gábor Korchmáros	Isomorphisms of maximal curves Full list of authors Gábor Korchmaros, Barbara Gatti
12:35- 14:00	<i>Lunch at Condorcet</i>	
<u>Chairman:</u> <u>Jonathan Jedwab</u>	(Amphitheater 150): contributed talks 14:00-15:35	Finite geometry and designs (I)
14:00-14:20	Name Giuseppe Marino	Small complete caps in $\mathrm{PG}(4n+1, q)$ Full list of authors Antonio Cossidente, Bence Csajbok, Giuseppe Marino, Francesco Pavese
14:25-14:45	Name Charul Rajput	A Class of Cross Resolvable Designs Full list of authors Charul Rajput, B. Sundar Rajan
14:50-15:10	Name Olga Polverino	Construction and equivalence of Sidon spaces and cyclic subspace codes Full list of authors Chiara Castello, Olga Polverino, Paolo Santonastaso and Ferdinando Zullo

15:15-15:35	Name Giorgos Kapetanakis	The line and the translate properties for r -primitive elements Full list of authors Stephen D. Cohen and Giorgos Kapetanakis
15:40 16:00	<i>Coffee break (20 mn)</i>	
<u>chairwoman:</u> <u>Sophie Huczynska</u>	(Amphitheater 150): contributed talks 16:00-17:10	Combinatorial aspects (I)
16:00-16:20	Name Robert Christian Subroto	Decomposition of finite commutative semisimple group algebras over finite fields using the Combinatorial Nullstellensatz Full list of authors Robert Christian Subroto
16:25-16:45	Name Jim Davis	Partial difference sets in nonabelian groups Full list of authors Jim Davis, John Polhill, Ken Smith, Eric Swartz
16:50-17:10	Name Cian Jameson	Polynomials, spreads and flag-transitive linear spaces Full list of authors Cian Jameson, John Sheekey

<u>Tuesday</u>	<u>June 20, 2023</u>	<u>SESSION II:</u> <u>Amphitheater 250 (invited talk)</u> <u>and</u> <u>Amphitheater 150 (contributed</u>
9:00-10:00	<i><u>Invited talk :</u></i> <i><u>(Amphitheater 250)</u></i> <i><u>Ivelisse Rubio</u></i>	Talk title: Extension of the covering method to any finite field
<u>Chairman: Kanat</u> <u>Abdukhalikov</u>	(Amphitheater 150): contributed talks 10:05-12:10	Finite geometry and designs (II)
10:05-10:25	Name Shuxing Li	Intersection distribution and non-hitting index Full list of authors Shuxing Li, Alexander Pott
10:30 - 11:00	<i>Coffee break (30 mn)</i>	
11:00 -11:20	Name Zoltán Lóránt Nagy	Avoiding intersections of given size in finite affine spaces $AG(n,2)$ Full list of authors Benedek Kovács, Zoltán Lóránt Nagy
11:25-11:45	Name Stefano Lia	When a hermitian, a quadric, and a subgeometry walk into a bar... Full list of authors Stefano Lia, John Sheekey

11:50-12:10	Name John Sheekey	The quasi-hermitian variety Full list of authors John Sheekey, Stefano Lia
12:30-14:00	<i>Lunch at Condorcet</i>	
<u>Chairman:</u> Shuxing Li	(Amphitheater 150): contributed talks 14:00-15:35	Combinatorics and geometric approaches for Codes and graphs
14:00-14:20	Name Bence Csajbók	On the graph and on the set of directions determined by functions over finite fields Full list of authors Bence Csajbók, Valentina Pepe, Giuseppe Marino
14:25-14:45	Name Gianira Alfarano	Minimal Codes and Strong Blocking Sets Full list of authors Gianira N. Alfarano, Martino Borello, Alessandro Neri
14:50- 15:10	Name Alessandro Neri	A proof of the Etzion-Silberstein conjecture for strictly monotone Ferrers diagrams Full list of authors Alessandro Neri, Mima Stanojkovski
15:15-15:35	Name Giuseppe Cotardo	The Diagonals of Ferrers Diagrams Full list of authors Giuseppe Cotardo, Anina Gruica, Alberto Ravagnani

15:40 16:00	<i>Coffee break (20 mn)</i>	
	(Amphitheater150): contributed talks 16:00-17:10	Functions over finite fields
16:00-16:20	Name Tekgöl Kalaycı	Generalized spread bent partitions and LP-packings Full list of authors Sezel Alkan, Nurdagül Anbar, Tekgöl Kalaycı, Wilfried Meidl
16:25-16:45	Name Juliano Lima	Pseudo-Chebyshev functions over finite fields Full list of authors Juliano B. Lima, Daniel Panario, Jose R. de Oliveira Neto
<u>Wednesday</u>	<u>June 21, 2023</u>	<u>SESSION II: Amphitheater 150 (invited talk) and Amphitheater 100 (contributed talks)</u>
9:00-10:00 <u>Chairman Petr Lisonek</u>	Invited talk : (<u>Amphitheater 150</u>) <u>Jean-Pierre Tillich</u>	Talk title: New algebraic attacks on the McEliece Crypto-system
<u>Chairman: Giacomo Micheli</u>	(Amphitheater A100): contributed talks 10:10-12:20	Theory of finite fields (III)

10:10-10:30	Name Max Schulz	Special Rational Transformations and their Connection to Invariant Polynomials Full list of authors Max Schulz
10:30 - 11:00	<i>Coffee break (30 mn)</i>	
11:00 -11:20	Name Soniya Takshak	Existence of primitive triples over finite fields Full list of authors Soniya Takshak, R. K. Sharma
11:30-11:50	Name Rachel Petrik	Further Improvements to the Chevalley-Waring Theorems Full list of authors David B. Leep, Rachel L. Petrik
12:00 12:20	Name Li-An Chen	On the preimage distribution of $x^2+L(x)$ over \mathbb{F}_p^2 Full list of authors Li-An Chen, Robert S. Coulter
12:30- 14:00	<i>Lunch at Condorcet</i>	
Thursday	<u>June 22, 2023</u>	<u>SESSION II:</u> <u>Amphitheater 150 (invited talk)</u> <u>and</u> <u>Amphitheater 100 (contributed talks)</u>
9:00-10:00 Chairman: James Davis	<i><u>Invited talk :</u></i> <i><u>(Amphitheater 150)</u></i> <i><u>Arne Winterhof</u></i>	Talk title: Quaternary Legendre Pairs

<u>Chairman: John Sheekey</u>	(Amphitheater 100): contributed talks 10:10-12:10	Algebraic geometry and number theory approach (II)
10:10-10:30	Name Giacomo Micheli	On the Proof of a Conjecture on Arboreal Galois Representations Full list of authors Andrea Ferraguti and Giacomo Micheli
10:30 -11:00	<i>Coffee break (30 mn)</i>	
11:00 -11:20	Name Annamaria Iezzi	Kani–Rosen theorem, a tool for finding maximal curves Full list of authors Annamaria Iezzi, Motoko Qiu Kawakita and Marco Timpanella
11:30-11:50	Name Olivier Ruatta	Linearized polynomials: elimination and geometrization Full list of authors Philippe Gaborit, Gaëtan Murat, Olivier Ruatta
11:50- 12:10	Name Eduardo Brandani da Silva	Quasi-Cyclic Codes from Finite Euclidean Planes Full list of authors Eduardo Brandani da Silva, Frederico Ventura Batista
12:30- 14:00	<i>Lunch at Condorcet</i>	
<u>Chaimain: Alexandr Polujan</u>	(Amphitheater 100): contributed talks 14:00-15:35	Theory of finite fields (IV)

14:00-14:20	Name Divya Aggarwal	Splitting subspaces of linear operators over finite fields Full list of authors Divya Aggarwal, Samrith Ram
14:30-14:50	Name Mohamadou Sall	The complexity of elliptic normal bases Full list of authors Daniel Panario, Mohamadou Sall, Qiang Wang
15:00-15:20	Name Claudio Qureshi	On the non-existence of perfect codes in the NRT-metric Full list of authors Claudio Qureshi, Aldo Portela, Viviana Gubitosi
15:30-15:50	Name Petr Lisonek	Sets of Latin cubes of order $q+1$ with high symmetry Full list of authors Petr Lisonek
15:50:16:10	<i>Coffee break (20 mn)</i>	
<u>Chaimain:</u> <u>Alessandro Neri</u>	(Amphitheater 100): contributed talks 16:00:-17:30	Combinatorial aspects (II)
16:10-16:30	Name Peter Boyvalenkov	Inside the binary Golay code for minima in discrete polarization energy problems Full list of authors Peter Boyvalenkov, Peter Dragnev, Douglas Hardin, Edward Saff, Maya Stoyanova

16:40-17:00	Name Sophie Huczynska	Internal and External Partial Difference Families and Cyclotomy Full list of authors: Sophie Huczynska, Laura Johnson
<u>FRIDAY</u>	<u>June 23, 2023</u>	<u>SESSION II</u> <u>(Amphitheater 100)</u>
<u>Chairman</u> <u>Peter Boyvalenkov</u>	(Amphitheater 100): contributed talks 9:10-10:30	Specific codes (I)
9:10-9:30	Name Kanat Abdukhalikov	Quasi-cyclic codes of index 2 Full list of authors Kanat Abdukhalikov
9:40-10:00	Name Ferruh Ozbudak	On the Classification of Distinct Maximal Flag Codes of a Prescribed Type and Related Results Full list of authors Zeynelabidin Karakacs, Ferruh Ozbudak
10:10-10:30	Name Clementa Alonso-González	A new invariant for cyclic orbit flag codes Full list of authors Clementa Alonso-González, Miguel Ángel Navarro-Pérez
10:30-11:00	<i>Coffee break (30 mn)</i>	
<u>Chairman</u> <u>Daniel Katz</u>	(Amphitheater 100): contributed talks 11: 00-12:10	Specific codes (II)

11:00-11:20	Name Vidya Sagar	<p>Certain linear codes using simplicial complexes</p> <p>Full list of authors Vidya Sagar, Ritumoni Sarma</p>
11:30-11:50	Name Astha Agrawal	<p>Some results on Galois LCD codes over a finite non-chain ring</p> <p>Full list of authors Astha Agrawal, Gyanendra K. Verma, R. K. Sharma</p>
12:00- 12:20	Name Violetta Weger	<p>The search for the right support: better bounds for the Lee metric</p> <p>Full list of authors Jessica Bariffi, Violetta Weger</p>
12:30-14:00	<i>Lunch at Condorcet</i>	