

<u>Monday</u>	<u>June 19, 2023</u>	<u>SESSION I</u> <u>(Amphitheater A250)</u>
9:00-9:15	<i>Registration-HALL</i>	
09:15- 09:30	Welcome-Opening <u>Amphitheater 250</u>	
09:30- 10:30 (Chairwoman Sihem Mesbager)	<i><u>Invited Talk</u></i> <i><u>(Amphitheater 250)</u></i> <i><u>Alexander Barg</u></i>	Talk title: Coding for node recovery on Graphs
10:30 - 11:00	<i>Coffee break (30 mn)</i>	
<u>Chairwoman:</u> <u>Anne Canteaut</u>	(Amphitheater 250): contributed talks 11:00-12:25	Linear codes (I)

11:00 - 11:20	Name Philippe Langevin	<p>Classification of $RM(6,8)/RM(4,8)$</p> <p>Full list of authors Valérie Gillot, Philippe Langevin</p>
11:25- 11:45	Name Patrick Solé	<p>The weight spectrum of certain Reed-Muller codes</p> <p>Full list of authors Claude Carlet, Patrick Solé</p>
11:50- 12:10	Name Rati Ludhani	<p>Reed-Muller Codes and Minimal Free Resolutions</p> <p>Full list of authors Sudhir R. Ghorpade, Rati Ludhani</p>
12:30-14:00	<i>Lunch at Condorcet</i>	

<p><u>Chairman:</u> <u>Matino Borello</u></p>	<p>(Amphitheater 250): contributed talks 14:00-15:35</p>	<p>Coding theory with the rank metric (I)</p>
<p>14:00-14:20</p>	<p>Name Paolo Santonastaso</p>	<p>Subspace designs and optimal codes in the sum-rank metric</p> <p>Full list of authors Alessandro Neri, John Sheekey and Ferdinando Zullo</p>
<p>14:25-14:45</p>	<p>Name Ferdinando Zullo</p>	<p>Maximum weight codewords in the rank metric</p> <p>Full list of authors Olga Polverino, Paolo Santonastaso, Ferdinando Zullo</p>

14:50-15:10	Name Somi Gupta	<p>On the equivalence issue of a class of 2-dimensional linear Maximum Rank Metric codes</p> <p>Full list of authors Somi Gupta, Giovanni Longobardi, Rocco Trombetti</p>
15:15-15:35	Name Rakhi Pratihar	<p>Two-weight rank metric codes and spreads</p> <p>Full list of authors Rakhi Pratihar and Tovohery H. Randrianarisoa</p>
15:40 16:00	<i>Coffee break (20 mn)</i>	
<p><u>Chairman :</u> <u>Daniele Bartoli</u></p>	<p>(Amphitheater 250): contributed talks 16:00-17:10</p>	<p>Theory of finite fields (I)</p>

16:00-16:20	Name Daniel Panario	<p>The functional graphs of generalized cyclotomic mappings of finite fields</p> <p>Full list of authors Alexander Bors, Daniel Panario and Qiang Wang</p>
16:25-16:45	Name Daniel Katz	<p>Rationality of four-valued families of Weil sums associated to power permutations</p> <p>Full list of authors Daniel J. Katz and Allison E. Wong</p>
16:50-17:10	Name Thomas Karam	<p>Ranges and lower degree ranks of polynomials over finite prime fields.</p> <p>Full list of authors Thomas Karam</p>

<u>Tuesday</u>	<u>June 20, 2023</u>	<u>SESSION I</u> <u>(Amphitheater A250)</u>
9:00-10:00 <u>Chairman :</u> <u>Xiang-Dong Hou</u>	<u>Invited talk :</u> <u>(Amphitheater 250)</u> <u>Ivelisse Rubio</u>	Talk title: Extension of the covering method to any finite field
<u>Chairman:</u> <u>Nikolay</u> <u>Kaleyski</u>	(Amphitheater 250): contributed talks 10:05-12:10	Boolean and vectorial (cryptographic) functions and related theory (I)
10:05-10:25	Name Claude Carlet	Generalizations of almost perfect nonlinearity and sums of inverses over affine spaces of F_{2^n} Full list of authors Claude Carlet
10:30 -11:00	<i>Coffee break (30 mn)</i>	

11:00 -11:20	Name Clémence Bouvier	<p>Iterated Power Functions: from Univariate Polynomial Representation to Multivariate Degree</p> <p>Full list of authors Clémence Bouvier, Anne Canteaut, Léo Perrin</p>
11:25-11:45	Name Alexandr Polujan	<p>On Vectorial Bent-Negabent Functions, Their Constructions and Bounds</p> <p>Full list of authors Enes Pasalic, Sadmira Kudin, Alexandr Polujan, Alexander Pott</p>
11:50-12:10	Name Samuele Andreoli	<p>On Carlitz-like Decompositions of Vectorial Boolean Functions</p> <p>Full list of authors Samuele Andreoli, Enrico Piccione, Lilya Budaghyan, Svetla Nikova</p>
12:30-14:00	<i>Lunch at Condorcet</i>	
<p><u>Chairman:</u> <u>Qiang Wang</u></p>	<p>(Amphitheater A250): contributed talks 14:00-15:35</p>	<p>Polynomial over finite fields (I)</p>

14:00-14:20	Name Jaime Gutierrez	<p>Permutation and local permutation polynomials of maximum degree</p> <p>Full list of authors Jaime Gutierrez and Jorge Jimenez Urroz</p>
14:25-14:45	Name Sartaj Ul Hasan	<p>Permutation polynomials with fewer terms over finite fields</p> <p>Full list of authors Kirpa Garg, Sartaj Ul Hasan, Chunlei Li, Hridayesh Kumar, Mohit Pal</p>
14:50- 15:10	Name Vincenzo Pallozzi Lavorante	<p>A General Construction of Permutation Polynomials</p> <p>Full list of authors Xiang-dong Hou, Vincenzo Pallozzi Lavorante</p>
15:15-15:35	Name Rohit Gupta	<p>A class of permutation trinomials with Niho exponents</p> <p>Full list of authors Rohit Gupta, Amritanshu Rai</p>
15:40 -16:00	<i>Coffee break (20 mn)</i>	

<p><u>Chairman</u> <u>Patrick Solé</u></p>	<p>(Amphitheater A250): contributed talks 16:00-17:10</p>	<p>Algebraic geometry codes and curves over finite fields</p>
<p>16:00-16:20</p>	<p>Name Luciane Quoos</p>	<p>Weierstrass Semigroup, pure gaps and algebraic geometry codes</p> <p>Full list of authors Alonso Sepúlveda Castellanos, Erik Antonio Rojas Mendoza, Luciane Quoos</p>
<p>16:25-16:45</p>	<p>Name Jorge jimenez urroz</p>	<p>Factoring with elliptic curves</p> <p>Full list of authors Jorge Jiménez and Jacek Pomykala</p>
<p>16:50-17:10</p>	<p>Name Giovanni Giuseppe Grimaldi</p>	<p>A geometric construction of a family of non-linear MRD codes</p> <p>Full list of authors Nicola Durante, Giovanni Giuseppe Grimaldi, Giovanni Longobardi</p>

<u>Wednesday</u>	<u>June 21, 2023</u>	<u>SESSION I</u> <u>(Amphitheater 150)</u>
9:00-10:00 Chairman <u>Petr Lisonek</u>	<i>Invited talk :</i> <i>(Amphitheater 150)</i> <i><u>Jean-Pierre Tillich</u></i>	Talk title: New algebraic attacks on the McEliece Cryptosystem
<u>Chairwoman:</u> <u>Olga Polverino</u>	(Amphitheater A150): contributed talks 10:00-12:10	Coding theory with the rank metric (II)
10:10-10:30	Name Matteo Bonini	Saturating systems and covering radius in the (sum-)rank metric Full list of authors M. Bonini, M. Borello, E. Byrne
10:30 -11:00	<i>Coffee break (30 mn)</i>	
11:00 -11:20	Name Giovanni Longobardi	Short minimal rank-metric codes and scattered subspaces Full list of authors Giovanni Longobardi, Stefano Lia, Giuseppe Marino, Rocco Trombetti

11:30-11:50	Name Rocco Trombetti	Evasive subspaces, generalized rank weights and near MRD codes Full list of authors Daniele Bartoli, Bence Csajbók, Giuseppe Marino, Alessandro Neri, Rocco Trombetti
12:00-12:20	Name Daniele Bartoli	MRD codes and algebraic varieties over finite fields Full list of authors: Daniele Bartoli, Giuseppe Marino, Alessandro Neri, Lara Vicino
12:30 -14:00	<i>Lunch at Condorcet</i>	
<u>Thursday</u>	<u>June 22, 2023</u>	<u>SESSION I</u> <u>(Amphitheater 150)</u>
9:00-10:00 <u>Chairman: Jim Davis</u>	<u>Invited talk :</u> <u>(Amphitheater 150)</u> <u>Arne Winterhof</u>	Talk title: Quaternary Legendre Pairs
<u>Chairman</u> <u>Léo Perrin</u>	(Amphitheater 150): contributed talks 10/10-	Boolean and vectorial (cryptographic) functions and related theory (II)

10:10-10:30	Name Nikolay Kaleyski	Reducing and estimating the search space for the QAM method through linear equivalences. Full list of authors Nikolay Kaleyski, Simon Berg
10:30 -11:00	<i>Coffee break (30 mn)</i>	
11:00 -11:20	Name Enrico Piccione	Restricting vectorial functions to affine spaces and deducing infinite families of 4-uniform permutations, in relation to the strong D-property Full list of authors Enrico Piccione, Claude Carlet
11:30-11:50	Name Soonhak Kwon	On the Functions Which are CCZ-equivalent but not EA-equivalent to Quadratic Functions Full list of authors Jaeseong Jeong, Namhun Koo, Soonhak Kwon
11:50-12:10	Name Giovanni Zini	On a family of scattered binomials over finite fields Full list of authors Olga Polverino, Marco Timpanella, Giovanni Zini, Ferdinando Zullo
12:30-14:00	<i>Lunch at Condorcet</i>	

<p><u>Chairman:</u> <u>Lukas Kölsch</u></p>	<p>(Amphitheater 150): contributed talks 14:00-15:35</p>	<p>Theory of finite fields (II)</p>
<p>14:00-14:20</p>	<p>Name Xiang-dong Hou</p>	<p>Number of Equivalence Classes of Rational Functions over Finite Fields Full list of authors Xiang-dong Hou</p>
<p>14:30-14:50</p>	<p>Name Herivelto Borges</p>	<p>Frobenius non-classicality of $y^n=f(x)$ over \mathbb{F}_{p^3} Full list of authors Herivelto Borges, Cirilo Goncalves</p>
<p>15:00-15:20</p>	<p>Name Hugo Rodrigues Teixeira</p>	<p>On the functional graph of $f(X) = c(X^{q+1} + aX^2)$ over quadratic extensions of finite fields Full list of authors Hugo Rodrigues Teixeira and Fabio Enrique Brochero Martínez</p>
<p>15:30-15:50</p>	<p>Name Anna-Maurin Graner</p>	<p>The factorization of (X^n-a) and $(f(X^n))$ over (\mathbb{F}_q) Full list of authors Anna-Maurin Graner</p>
<p>15:50-16:10</p>	<p><i>Coffee break (20 mn)</i></p>	

<p><u>Chairwomen</u> <u>Irene Villa</u></p>	<p>(Amphitheater 150): contributed talks 16:00-17:10</p>	<p>Polynomial over finite fields (II)</p>
<p>16:10-16:30</p>	<p>Name: Faruk Gologlu</p>	<p>On Niho-type permutations</p> <p>Full list of authors: Faruk Gologlu, Jiri Pavlu, Adolf Streda</p>
<p>16:40-17:00</p>	<p>Name László Mérai</p>	<p>Smooth polynomials with several prescribed coefficients over finite fields</p> <p>Full list of authors László Mérai</p>
<p><u>Friday</u></p>	<p><u>June 23, 2023</u></p>	<p><u>SESSION I</u> <u>(Amphitheater 150)</u></p>
<p><u>Chairwomen</u> <u>Clémence</u> <u>Bouvier</u></p>	<p>(Amphitheater 150): contributed talks 9:15-12:10</p>	<p>Boolean and vectorial (cryptographic) functions and related theory (III)</p>

9:10-9:30	Name Lukas Kölsch	Value distributions of perfect nonlinear functions Full list of authors Lukas Kölsch, Alexandr Polujan
9:40-10:00	Name Mohit Pal	APN Functions over Finite Fields of Odd Characteristic Full list of authors Lilya Budaghyan, Mohit pal
10:10-10:30	Name Francesco Ghiandoni	On the exceptionality of rational APN functions Full list of authors Daniele Bartoli, Giuliana Fatabbi, Francesco Ghiandoni
10:30-11:00	<i>Coffee break (30 mn)</i>	
<u>Chairman:</u> <u>Daniel Panario</u>	(Amphitheater 150): contributed talks 11:00-12:10	Boolean and vectorial (cryptographic) functions and related theory (III)-continued
11:00- 11:20	Name Irene Villa	On Dillon's property for vectorial Boolean functions Full list of authors Matteo Abbondati, Marco Calderini, Irene Villa

11:30-11:50	Name Qiang Wang	<p>A wreath product approach to study cycle structures of permutation polynomials</p> <p>Full list of authors Alexander Bors, Qiang Wang</p>
12:00- 12:20	Name Ariane Masuda	<p>Rédei permutations with the same cycle structure</p> <p>Full list of authors Juliane Capaverde, Ariane Masuda, Virgínia Rodrigues</p>
12:30- 14:00	<i>Lunch at Condorcet</i>	