

OpeRa 2024: Conference Schedule

Wednesday

- 9:00-9:20 Introduction
- 9:20-10:30 Alessandro Neri: Ferrers diagram rank-metric codes **Chair** Martino Borello
- 10:30-11:00 Coffee break
- 11:00-12:10 Magali Bardet: Algebraic attacks for the Rank Decoding Problem **Chair** Elena Berardini
- 12:10-14:00 Lunch break
- 14:00-15:10 Daniele Bartoli: Recent results on scattered spaces and MRD codes **Chair** Chunlei Li
- 15:10-15:40 Coffee break
- 15:40-16:05 Valentin Suder: (Near) constant-rank codes and (A)PN functions **Chair** Giovanni Zini
- 16:05-16:30 Alessandro Giannoni: Exceptional and indecomposable scattered sequences of order $m > 2$
- 16:30-16:55 Francesco Ghiandoni: On 3-dimensional MRD codes
- 16:55-17:20 Giovanni Giuseppe Grimaldi: Non-linear MRD codes from cones over exterior sets

Thursday

- 9:20-10:30 Pierre Loidreau: How to design a McEliece like encryption scheme in rank metric? **Chair** Violetta Weger
- 10:30-11:00 Coffee break
- 11:00-11:25 Hugo Sauerbier Couvée: How (not) to decode in the rank metric **Chair** Alessandro Neri
- 11:25-11:50 Rakhi Pratihari: Decoding rank metric Reed-Muller codes
- 11:50-12:25 Valentina Astore: Castelnuovo-Mumford Regularity in the Rank Metric
- 13:30 Social trip at the Royal Palace of Caserta (Piazza Carlo di Borbone, 81100 Caserta)
- 20:00 Social dinner at Muu Mozzarella (Piazza Antonio Gramsci, 1, 81100 Caserta)

Friday

- 9:20-10:30 Eimear Byrne: Zeroes of the zeta polynomial of a rank-metric code **Chair** Olga Polverino
- 10:30-11:00 Coffee break
- 11:00-12:10 Gianira N. Alfarano: The critical problem for rank-metric codes **Chair** Giovanni Longobardi
- 12:10-14:00 Lunch break
- 14:00-15:10 Giuseppe Marino: Cutting blocking sets, saturating linear sets and rank-metric codes **Chair** Ferdinando Zullo
- 15:10-15:40 Coffee break
- 15:40-16:05 Somi Gupta: A geometric characterization of known maximum scattered linear sets of $PG(1, q^n)$ **Chair** Gianira N. Alfarano
- 16:05-16:30 Elena Berardini: Algebraic Geometry codes in the sum-rank metric
- 16:30-16:55 Antonina P. Khramova: Eigenvalue bounds for sum-rank-metric codes