

ALGEBRAIC CODING THEORY SUMMER SCHOOL

July 4 - 8, 2022
University of Zurich



Program

	Monday	Tuesday	Wednesday	Thursday	Friday
08.45-09.00	Opening				
09.00-10.00	Eimear Byrne	Eimear Bryne	Alain Couvreur	Alain Couvreur	ACT Graduate Minisymposium
10.00-11.00	Eimear Byrne	Eimear Bryne	Alain Couvreur	Alain Couvreur	
11.00-11.30	Coffee Break	Coffee Break	Coffee Break	Coffee Break	
11.30-12.30	Eimear Byrne	Eimear Bryne	Alain Couvreur	Alain Couvreur	
12.30-13.30	Lunch	Lunch	Lunch	Lunch	
13.30-14.30	Kai-Uwe Schmidt	Kai-Uwe Schmidt	Olav Geil	Olav Geil	
14.30-15.30	Kai-Uwe Schmidt	Kai-Uwe Schmidt	Olav Geil	Olav Geil	
15.30-16.00	Coffee Break	Coffee Break	Coffee Break	Coffee Break	
16.00-17.00	Kai-Uwe Schmidt	Kai-Uwe Schmidt	Olav Geil	Olav Geil	
19.00-22.00			Social Dinner		

Lecture Room: Y16 G15, Irchel Campus, University of Zurich

ACT22 Graduate Minisymposium (Friday, July 8, 2022)

09:20-11:00	Rank-Metric Lattices – <i>Giuseppe Cotardo</i>
	Optimal sum-rank metric codes – <i>Paolo Santonastaso</i>
	The Projectivization Matroid of a q -Matroid – <i>Benjamin Jany</i>
	Some Matroids Related to Sum-Rank Metric Codes – <i>Avijit Panja</i>
11:00-11:30	Coffee Break
11:30-13:10	Error-Erasure Decoding in the Hamming, the Rank, and the Sum-Rank Metric – <i>Felicitas Hörmann</i>
	Quadratic Curve Lifted Reed-Solomon Codes – <i>Hedongliang Liu</i>
	Minimum distance and the minimum weight codewords of Projective Reed-Muller Codes – <i>Rati Ludhani</i>
	Two-point AG codes from the Beelen-Montanucci maximal curve – <i>Lara Vicino</i>
13:10-14:15	Lunch Break
14:15-15:30	The linear programming bounds for classical association schemes – <i>Charlene Weiß</i>
	Some theoretical applications of association schemes – <i>Jonathan Mannaert</i>
	On the relationship between irreducible cyclic codes, finite projective planes and non-weakly regular bent functions – <i>Rumi Melih Pelen</i>
15:30-16:00	Coffee Break
16:00-17:15	(θ, δ_θ) -cyclic codes over $\mathbb{F}_q[u, v]/\langle u^2 - u, v^2 - v, uv - vu \rangle$ – <i>Shikha Patel</i>
	A Generalized Euclidean Algorithm for Multisequence Skew-Feedback Shift-Register Synthesis – <i>José Manuel Muñoz</i>
	Self-dual and LCD double circulant codes over $\mathbb{F}_q + u\mathbb{F}_q + v\mathbb{F}_q$ – <i>Shikha Yadav</i>

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