



Munich Workshop on Coding and Cryptography 2022

22.06. – 24.06.2022

Program

Wednesday

22.06.2022

09:00 - 09:40	Post-CoViD reuniting and registration	N2407 / N2409
09:40 - 09:50	Welcome	N0314
	Talks	N0314
	<i>Chair: Antonia Wachter-Zeh</i>	
09:50 - 10:20	Emina Soljanin	Achieving Coding Gain with Coded Computing
10:20 - 10:50	Gauri Joshi	Sum-Recovery Codes For Distributed Non-Linear Computations
10:50 - 11:20	Alex Graell i Amat	Straggler-Resilient Coded Federated Learning
11:20 - 11:50	Coffee Break	N2407 / N2409
	Talks	N0314
	<i>Chair: Alexandre Graell I Amat</i>	
11:50 - 12:20	Hulya Seferoglu	Coded Privacy-Preserving Computation at Edge Networks
12:20 - 12:50	Alex Sprintson	Private Linear Computation: Algorithms, Bounds, and Applications
12:50 - 14:30	Lunch Break	
	Talks	N0314
	<i>Chair: Serge Kas Hanna</i>	
14:30 - 15:00	Sidharth Jaggi	Shannon-Style Theorems for Adversarial Channels: When Can One Pack (Exponentially) Many Copies of a Given Pattern?
15:00 - 15:30	Stark Draper	Approximate Coded Computing
15:30 - 16:00	Lele Wang	Soft BIBD and product gradient codes
16:00 - 17:30	Poster session 1	N2407 / N2409

Thursday

23.06.2022

	Talks		N0314
	<i>Chair: Rawad Bitar</i>		
09:30 - 10:00	Itzhak Tamo	Nonlinear Repair Schemes of Reed-Solomon Codes	
10:00 - 10:30	Parimal Parag	Low-Latency Storage of Replicated Fragments for Memory Constrained Servers	
10:30 - 11:00	Salim El Rouayheb	On/Off Privacy for Online Users and DNA	
11:00 - 11:30	Group photo / Coffee Break		N2407 / N2409
11:30 - 13:00	Poster session 2		N2407 / N2409
13:00 - 14:45	Lunch Break		
	Talks		N0314
	<i>Chair: Yonatan Yehezkeally</i>		
14:45 - 15:15	Tuvi Etzion	Classification of Balance Sequences	
15:15 - 15:45	Han Mao Kiah	Sequence Reconstruction Problem for Deletions	
15:45 - 16:15	Coffee Break		N2407 / N2409
	Talks		N0314
	<i>Chair: Reinhard Heckel</i>		
16:15 - 16:45	Stéphane Lemaire	Biocompatible and biosafe DNA data storage	
16:45 - 17:15	Marc Antonini	Image Coding for Long-term Archiving in Synthetic DNA Polymers	
19:00 -	Dinner		

Friday

24.06.2022

	Talks		N0314
	<i>Chair: Eitan Yaakobi</i>		
09:30 - 10:00	Olgica Milenkovic	Group testing for Covid-19: What are C _t values and how to effectively use them?	
10:00 - 10:30	Emanuele Viterbo	Coding for the nanopore DNA sequencing channel	
10:30 - 11:00	Zohar Yakhini	Computational and statistical aspects of synthetic biology	
11:00 - 11:30	Coffee Break		N2407 / N2409
	Talks		N0314
	<i>Chair: Andreas Lenz</i>		
11:30 - 12:00	Thomas Heinis	DNA archival storage, a bottom up approach	
12:00 - 12:30	Reinhard Heckel	DNA Data Storage Using Photolithographic Synthesis and Error-Correction	
12:30 - 14:00	Lunch Break		
	Talks		N0314
	<i>Chair: Violetta Weger</i>		
14:00 - 14:30	Ryan Gabrys	Coding for Polymer-based Data Storage	
14:30 - 15:00	Vladimir Sidorenko	Interleaving of Generalized Gabidulin Codes	
15:00 -	Post-CoViD get together		N2407 / N2409