

# **2025 IEEE Information Theory Workshop (ITW 2025)**

**Sydney, Australia  
29 September - 3 October 2025**

**Pages 1-427**



**IEEE Catalog Number: CFP25ITW-POD  
ISBN: 979-8-3315-3143-0**

**Copyright © 2025 by the Institute of Electrical and Electronics Engineers, Inc.  
All Rights Reserved**

*Copyright and Reprint Permissions:* Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

***\*\*\* This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.***

IEEE Catalog Number:	CFP25ITW-POD
ISBN (Print-On-Demand):	979-8-3315-3143-0
ISBN (Online):	979-8-3315-3142-3
ISSN:	2475-420X

**Additional Copies of This Publication Are Available From:**

Curran Associates, Inc  
57 Morehouse Lane  
Red Hook, NY 12571 USA  
Phone: (845) 758-0400  
Fax: (845) 758-2633  
E-mail: [curran@proceedings.com](mailto:curran@proceedings.com)  
Web: [www.proceedings.com](http://www.proceedings.com)

CURRAN ASSOCIATES INC.  
**proceedings**  
.com

## TABLE OF CONTENTS

Improved Successive Cancellation Decoding of Polar Codes Through Perturbing <i>A Posteriori</i> LLRs.....	1
<i>Zhongjun Yang, Li Chen, Kangjian Qin, Xianbin Wang, Huazi Zhang</i>	
Rate-Matching Deep Polar Codes via Extension.....	7
<i>Geon Choi, Namyoon Lee</i>	
PAC Codes Meet CRC-Polar Codes.....	13
<i>Xinyi Gu, Mohammad Rowshan, Jinhong Yuan</i>	
Bounds and Constructions of High-Memory Spatially-Coupled Codes.....	19
<i>Lei Huang</i>	
SCL <sup>2</sup> Decoding of eBCH Based U-UV Codes.....	25
<i>Jingyu Lin, Li Chen, Huazi Zhang</i>	
Polar Code Design for MIMO-OFDM with Channel Sparsity.....	31
<i>Rongchi Xu, Tongzhou Yu, Shuangyang Li, Xiaoyan Zhu, Baoming Bai</i>	
Half Spatially Coupled Turbo-Like Codes.....	37
<i>Xiaowei Wu, Lei Yang, Min Qiu, Chong Han, Jinhong Yuan</i>	
On the Convergence Speed of Spatially Coupled LDPC Ensembles Under Window Decoding.....	44
<i>Qingqing Peng, Dongxu Chang, Guanghui Wang, Guiying Yan</i>	
Optimal Tables for Asymmetric Numeral Systems.....	50
<i>Raphael S. Steiner, Mirko De Vita, Endri Bezati</i>	
Entropy Vectors on a Four-Dimensional Face of $\Gamma_3$ .....	56
<i>Robert Lewis, Sina Eghbal, Badri N. Vellambi, Satyajit Thakor</i>	
On the Intersections of $q$ -ary Hamming Balls.....	62
<i>Ville Junnila, Tero K. Laihonon, Tuomo Lehtilä, Pavan P. Devaraj</i>	
Understanding the Ratio of the Partition Sum to Its Bethe Approximation via Double Covers.....	68
<i>Pascal O. Vontobel</i>	
Group Testing Under Correlation: Leveraging Inference for High Infection Scenarios.....	74
<i>Hesam Nikpey, Dominic Olaguera-Delogu, Saswati Sarkar, Shirin S. Bidokhti</i>	
The Labeled Coupon Collector Problem.....	80
<i>Andrew Tan, Oriol Limor, Daniella Bar-Lev, Ryan Gabrys, Zohar Yakhini, Paul H. Siegel</i>	
Single-Letter Mismatched Decoding Rates with Memory for the Gilbert-Elliott Channel.....	86
<i>Yutong Han, Albert G. I. Fàbregas</i>	
Uniquely-Decodable Coding for Network Function Computation.....	91
<i>Xuan Guang, Jihang Yang, Ruze Zhang</i>	
Towards a Compositional Theory of Channels that Preserve Functions.....	97
<i>Johannes Rosenberger, Holger Boche, Juan A. Cabrera, Christian Deppe</i>	
Rate Region of Semantic-Aware Quadratic Gaussian Two-Terminal Source Coding Problem.....	103
<i>Haoyu Sun, Yinfei Xu, Chunguo Li, Tao Guo, Wenyi Zhang</i>	

Optimal Feedback Schemes for Dirty Paper Channels with State Estimation at the Receiver .....	109
<i>Dengfeng Xia, Han Deng, Haonan Zhang, Fan Cheng, Bin Dai, Liuguo Yin</i>	
Capacity-Key Tradeoff in Covert Communication.....	115
<i>Abdelaziz Bounhar, Mireille Sarkiss, Michèle Wigger</i>	
Secure Broadcasting Under Unreliable Cooperation.....	121
<i>Abdalla Ibrahim, Johannes Rosenberger, Holger Boche, Christian Deppe</i>	
A Dichotomy for Distributed Detection with Limited Communication .....	127
<i>Abdelaziz Bounhar, Mireille Sarkiss, Michèle Wigger</i>	
A New Soft-Decision Decoding for Extended BCH Codes Based on Reed-Muller Decomposition .....	133
<i>Leilei Yu, Jiasheng Yuan, Yunghsiang S. Han, Qi Cheng, Chao Chen</i>	
Downlink Cell-Free MIMO using Distributed Integer-Forcing .....	139
<i>Xinzhe Qiu, Tao Yang</i>	
Discrete Age Analysis of Ber/G/1/1 Queues: Exact Expressions and Optimization.....	145
<i>Han Xu, Jixiang Zhang, Haoyu Sun, Daming Cao, Yinfei Xu</i>	
On Design and Analysis of Asynchronous Repetition Slotted ALOHA for Massive Access .....	151
<i>Xu Li, Tao Yang, Xiaojun Yuan, Rongke Liu, Fan Jiang</i>	
Coding for Quasi-Static Fading Channel with Imperfect CSI at the Transmitter and Quantized Feedback.....	157
<i>Yuhan Yang, Mei Han, Haonan Zhang, Haoheng Yuan, Fan Cheng, Bin Dai</i>	
Structured Estimators: A New Perspective on Information Freshness .....	163
<i>Sahan Liyanaarachchi, Sennur Ulukus, Nail Akar</i>	
Achievable Rates for State-Dependent Discrete Memoryless Channels with Coded Sensing .....	169
<i>Omkar M. Mujumdar, Wenyi Zhang, J. Nicholas Laneman</i>	
RDD Function: A Tradeoff Between Rate and Distortion-in-Distortion .....	175
<i>Lingyi Chen, Haoran Tang, Shitong Wu, Jiakun Liu, Huihui Wu, Wenyi Zhang, Hao Wu</i>	
Estimating Rate-Distortion Functions using the Energy-Based Model .....	181
<i>Shitong Wu, Sicheng Xu, Lingyi Chen, Huihui Wu, Wenyi Zhang</i>	
Universal Rate-Distortion-Classification Representations for Lossy Compression .....	187
<i>Nam Nguyen, Thuan Nguyen, Thanh Nguyen, Bella Bose</i>	
Improved Lossless Compression Based on Polar Codes .....	193
<i>Ling Liu, Jin Wang, Chao Chen, Lulu Ding, Zexuan Zhu, Baoming Bai</i>	
Non-Asymptotic Achievable Rate-Distortion Region for Indirect Wyner-Ziv Source Coding .....	199
<i>Jiahui Wei, Philippe Mary, Elsa Dupraz</i>	
Round-Preserving Asymptotic Compression of Prior-Free Interactive Protocols .....	205
<i>Gurleen Padda, Dave Touchette</i>	
Fundamental Limits on Overflow Probability for Variable-Length Codes with Codeword Cost: A Smooth Rényi Entropy Approach.....	211
<i>Ryo Nomura</i>	

On Distributionally Robust Lossy Source Coding .....	217
<i>Giuseppe Serra, Photios A. Stavrou, Marios Kountouris</i>	
An Information Geometric Approach to Local Information Privacy with Applications to Max-Lift and Local Differential Privacy.....	223
<i>Amirreza Zamani, Parastoo Sadeghi, Mikael Skoglund</i>	
Necessity of Block Designs for Optimal Locally Private Distribution Estimation.....	229
<i>Abigail Gentle</i>	
Between Close Enough to Reveal and Far Enough to Protect: A New Privacy Region for Correlated Data .....	235
<i>Luis Mañny, Rawad Bitar, Fangwei Ye, Salim El Rouayheb</i>	
Optimizing Privacy-Utility Trade-Off in Decentralized Learning with Generalized Correlated Noise.....	241
<i>Angelo Rodio, Zheng Chen, Erik G. Larsson</i>	
Reveal-or-Obscure: A Differentially Private Sampling Algorithm for Discrete Distributions .....	247
<i>Naima Tasnim, Atefeh Gilani, Lalitha Sankar, Oliver Kosut</i>	
Source Anonymity for Private Random Walk Decentralized Learning .....	253
<i>Maximilian Egger, Svenja Lage, Rawad Bitar, Antonia Wachter-Zeh</i>	
Perfectly-Private Analog Secure Aggregation in Federated Learning .....	259
<i>Delio Jaramillo-Velez, Charul Rajput, Ragnar Freij-Hollanti, Camilla Hollanti, Alexandre G. I. Amat</i>	
Efficient Machine Unlearning by Model Splitting and Core Sample Selection .....	265
<i>Maximilian Egger, Rawad Bitar, Rüdiger Urbanke</i>	
A Simple Derivation of the Refined Sphere-Packing Bound for Classical-Quantum Channels.....	271
<i>Bo-An Shi, Hao-Chung Cheng</i>	
On the Error Exponent Distribution of Code Ensembles Over Classical-Quantum Channels .....	277
<i>Giuseppe Cocco, Javier R. Fonollosa</i>	
Bounds in the Projective Unitary Group with Respect to Global Phase Invariant Distance.....	283
<i>Bhanu P. Yadav, Mahdi Bayanifar, Olav Tirkkonen</i>	
On Two-Point Rational AG Codes with Lower Bounded Hermitian Hull Dimension .....	289
<i>Lin Sok, San Ling</i>	
Interpolation of Quantum Polar Codes and Quantum Reed-Muller Codes .....	295
<i>Keita Hidaka, Dina Abdelhadi, Ruediger Urbanke</i>	
Data Transmission Over a Bosonic Arbitrarily Varying Quantum Channel .....	302
<i>Janis Nötzel, Florian Seitz</i>	
On the Interference Channel with Entangled Transmitters.....	308
<i>Hadi Aghaee, Christian Deppe</i>	
A General Construction of the Transfer Matrices of $(k, N + t)$ -Sum Boxes.....	314
<i>Martianus F. Ezerman, Gaojun Luo, Jihao Fan, Meng Cao</i>	
The Second-Order Coding Rate of Identification via Simple-Dispersion DMCs with Feedback .....	319
<i>Marcel A. Mross, Christian Deppe, Eduard A. Jorswieck</i>	

Global and Efficient Local Optimization for Movable Antenna Enabled ISAC.....	325
<i>Lebin Chen, Ming-Min Zhao, Min Li, Ming Lei, Minjian Zhao, Rui Zhang</i>	
Information Freshness in Dynamic Gossip Networks .....	331
<i>Arunabh Srivastava, Thomas J. Maranzatto, Sennur Ulukus</i>	
Rate–Reliability Region of Sequential Beam Alignment and Communication .....	337
<i>Sidong Guo, Matthieu R. Bloch</i>	
Communication via Sensing .....	343
<i>Mohammad Kazemi, Tolga M. Duman, Deniz Gündüz</i>	
On Universal Decoding Over Discrete Additive Channels by Noise Guessing.....	349
<i>Henrique K. Miyamoto, Sheng Yang</i>	
Characterization of Deletion/Substitution Channel Capacity for Small Deletion and Substitution Probabilities.....	355
<i>Mohammad Kazemi, Tolga M. Duman</i>	
Correcting Errors in Composite DNA: Channel Model and Code Design .....	361
<i>Chen Wang, Tuan T. Nguyen, Kui Cai, Yiwei Zhang</i>	
On Levenshtein’s Reconstruction Problem for Channels with Unique Insertion Error Patterns .....	367
<i>Ville Junnila, Tero K. Laihonon, Tuomo Lehtilä, Pavan P. Devaraj</i>	
A Converse for the Capacity of the Shotgun Sequencing Channel with Erasures .....	373
<i>Mohammed I. Ali, Hrishi Narayanan, Prasad Krishnan</i>	
Identification Over Affine Poisson Channels: Application to Molecular Mixture Communication Systems.....	379
<i>Mohammad J. Salariseddigh, Heinz Koepl, Holger Boche, Vahid Jamali</i>	
On Achievable Rates Over Noisy Nanopore Channels.....	385
<i>V. Arvind Rameshwar, Nir Weinberger</i>	
Two-Deletion Correcting Codes for Nanopore Sequencing .....	391
<i>Huiling Xie, Zitan Chen</i>	
The Bandit Channel .....	397
<i>Raymond Zhang, Richard Combes, Sheng Yang</i>	
Information-Theoretic Minimax Regret Upper Bounds for Reinforcement Learning Problems.....	404
<i>Raghav Bongole, Amaury Gouverneur, Tobias J. Oechtering, Mikael Skoglund</i>	
Incomplete Multiview Learning via Wyner Common Information .....	410
<i>Abdalrahman Odeh, Teng-Hui Huang, Hesham El Gamal</i>	
A DPI-PAC-Bayesian Framework for Generalization Bounds.....	416
<i>Muhan Guan, Farhad Farokhi, Jingge Zhu</i>	
The Role of Rank in Mismatched Low-Rank Symmetric Matrix Estimation .....	422
<i>Panpan Niu, Yuhao Liu, Teng Fu, Jie Fan, Chaowen Deng, Zhongyi Huang</i>	
Generalized Dual Discriminator GANs.....	428
<i>Penukonda N. Chandana, Tejas Srivastava, Gowtham R. Kurri, V. Lalitha</i>	

Dynamical Linear Reward Systems Under Competitive Horizon Criteria .....	434
<i>Mor Nahum, Oron Sabag, Michael Langberg</i>	
A Decoder with Reinforcement Learning Feedback.....	440
<i>Milad Taghipour, Bane Vasic</i>	
Private Aggregation for Byzantine-Resilient Heterogeneous Federated Learning .....	446
<i>Maximilian Egger, Rawad Bitar</i>	
Collusion-Resilient Hierarchical Secure Aggregation with Heterogeneous Security Constraints.....	452
<i>Zhou Li, Xiang Zhang, Jiawen Lv, Jihao Fan, Haiqiang Chen, Giuseppe Caire</i>	
Covert Computation Over Gaussian Multiple-Access Channel with Feedback .....	458
<i>Sheng Su, Yuhan Yang, Han Deng, Fan Cheng, Bin Dai, Liuguo Yin</i>	
Capacity Region for Covert Secret Key Generation Over Multiple Access Channels .....	464
<i>Yingxin Zhang, Lin Zhou, Qiaosheng Zhang</i>	
Secret Key Generation and Storage Based on QPUF .....	470
<i>Kumar Nilesh, Christian Deppe, Holger Boche</i>	
An Efficient Hybrid Key Exchange Mechanism .....	476
<i>Benjamin D. Kim, Vipindev A. Vasudevan, Alejandro Cohen, Rafael G. L. D'Oliveira, Thomas Stahlbuhk, Muriel Médard</i>	
A Monoid Ring Approach to Color Visual Cryptography .....	482
<i>Maximilian Reif, Jens Zumbärgel</i>	
On the Size of a Share for Non-Perfect Secret Sharing Schemes.....	487
<i>Maki Yoshida</i>	
Towards Quantum Universal Hypothesis Testing.....	493
<i>Arick Grootveld, Haodong Yang, Biao Chen, Venkata Gandikota, Jason Pollack</i>	
Quickest Change-Point Detection with Continuous-Variable Quantum States .....	499
<i>Tiju C. John, Christos N. Gagatsos, Boulat A. Bash</i>	
An Efficient Alternating Minimization Algorithm for Computing Quantum Rate-Distortion Function.....	505
<i>Lingyi Chen, Deheng Yuan, Wenyi Zhang, Hao Wu, Huihui Wu</i>	
Empirical Coordination of Quantum Correlations.....	511
<i>Husein Natur, Uzi Pereg</i>	
A Fast Parallel Decoder for LDPC Codes Suitable for Burst Errors in QKD Reconciliation .....	518
<i>Duarte Mateus, Ricardo Chaves</i>	
On Finite-Blocklength Noisy Classical-Quantum Channel Coding with Amplitude Damping Errors.....	524
<i>Tamás Havas, Hsuan-Yin Lin, Eirik Rosnes, Ching-Yi Lai</i>	
Entanglement-Assisted Coding for Arbitrary Linear Computations Over a Quantum MAC .....	530
<i>Lei Hu, Mohamed Nomeir, Alptug Aytekin, Yu Shi, Sennur Ulukus, Saikat Guha</i>	
An Improved Decimation Technique for Erasure Decoding of Quantum LDPC Codes .....	536
<i>R. Gayathri, Shobhit Bhatnagar, Abhinav Vaishya, P. Vijay Kumar</i>	

Optimal Non-Adaptive Group Testing with One-Sided Error Guarantees .....	542
<i>Daniel McMorro, Jonathan Scarlett</i>	
Minimax Data Sanitization with Distortion Constraint and Adversarial Inference .....	548
<i>Amirarsalan Moatazedian, Yauhen Yakimenka, Rémi A. Chou, Jörg Kliewer</i>	
Efficient Algorithm for Sparse Fourier Transform of Generalized $q$ -ary Functions.....	554
<i>Darin Tsui, Kunal Talreja, Amirali Aghazadeh</i>	
Noisy Bilinear Low-Rank Matrix Sketching.....	560
<i>Wenbin Wang, Xindi Ping, Cheng Cheng, Ziping Zhao</i>	
Polynomial Representation of Entropic Structures in Markov Chain.....	566
<i>Shihan Huang, Laigang Guo</i>	
Typicality with Feedback.....	572
<i>Thomas Sturma, Michèle Wigger</i>	
BiD Codes: Algebraic Codes from $3 \times 3$ Kernel .....	578
<i>Anirudh Dash, K. R. Nandakishore, Lakshmi P. Natarajan, Prasad Krishnan</i>	
On the Derivative Structure of Euclidean Geometry Codes.....	584
<i>Jialong Leng, Chao Chen, Ling Liu, Baoming Bai, Xiaotian Wang</i>	
Perturbed Derivative Decoding Based on Ordered Statistics for Cyclic Codes .....	590
<i>Qin Huang, Shuyan Yu</i>	
Efficient Construction of MRD Codes Based on Circular-Shift Operations .....	596
<i>Zhe Zhai, Sheng Jin, Qifu T. Sun, Zongpeng Li</i>	
Improving Smoothness in Huffman Coding: Canonical and Pre-Allocated Variations.....	602
<i>Haoxuan Luo, Farzad Farnoud</i>	
Grid-Like Error-Correcting Codes for Matrix Multiplication with Better Correcting Capability .....	608
<i>Hao Shi, Zhengyi Jiang, Zhongyi Huang, Bo Bai, Gong Zhang, Hanxu Hou</i>	
Non-Binary Polar Coded Quantization for Lossy Source Coding.....	614
<i>Wenwen Zheng, Tianbo Zhang, Tao Yang</i>	
Secrecy and Privacy in Multi-Access Coded Caching with Combinatorial Topology .....	620
<i>Mallikharjuna Chinnapadamala, B. Sundar Rajan</i>	
On Hierarchical Coded Caching with Offline Users .....	626
<i>N. T. Rashid Ummer, Charul Rajput, B. Sundar Rajan</i>	
Strong Converse for Distributed Source Encryption Under Standard Mutual Information.....	632
<i>Yasutada Oohama, Bagus Santoso</i>	
Meta-Transfer Learning-Based Few-Shot Data Detection for Resistive Memory Channels.....	638
<i>Zhen Mei, Minghui Ju, Kui Cai, Guanghui Song, Xingwei Zhong, Long Shi, Tuan T. Nguyen</i>	
Latency-Optimal File Assignment in Geo-Distributed Storage with Preferential Demands .....	644
<i>Srivathsa Acharya, P. Vijay Kumar, Viveck R. Cadambe</i>	
New Construction of Matrix Representation of Finite Fields and Its Application to Linear Codes .....	650
<i>Sheng Jin, Zhe Zhai, Qifu T. Sun, Zongpeng Li</i>	

Communication-Constrained Private Decentralized Online Personalized Mean Estimation .....	656
<i>Yauhen Yakimenka, Hsuan-Yin Lin, Eirik Rosnes, Jörg Kliewer</i>	
Learning to Write on Dirty Paper .....	662
<i>Ezgi Özyilkan, Oguzhan K. Ülger, Elza Erkip</i>	
Robust Dynamic Coded Distributed Storage with Partially Storage Constrained Servers .....	668
<i>Chen Zhao, Haobo Jia, Zhuqing Jia</i>	
Asymptotically Optimal Repair of Reed-Solomon Codes with Small Sub-Packetization Under Rack-Aware Model.....	674
<i>Ke Wang, Zhongyan Liu, Rengang Li, Yaqian Zhao, Yaqiang Zhang</i>	
Minimum Distance Decoding for Reed-Muller Codes using Projection-Aggregation.....	680
<i>Bin Zhang, Qin Huang</i>	
Improved Coded Caching Scheme for Multi-User Information Retrieval System.....	686
<i>Junyi Wang, Quan Zang, Jinyu Wang, Minquan Cheng</i>	
Error Correcting Codes for Segmented Burst-Deletion Channels .....	692
<i>Yajuan Liu, Tolga M. Duman</i>	
On Plotkin Bound for Function-Correcting Codes for b-Symbol Read Channels.....	698
<i>H. Sachin Sampath, B. Sundar Rajan</i>	
Constructions of Binary Cooperative MSR Codes with Optimal Access Bandwidth.....	704
<i>Lei Li, Junfeng Zhang, Xinchun Yu, Yaqian Zhang, Yuan Luo</i>	
A Matrix Completion Approach for the Construction of MDP Convolutional Codes.....	710
<i>Sakshi Dang, Julia Lieb, Okko Makkonen, Pedro Soto, Alex Sprintson</i>	
Approximate Hypothesis Testing .....	716
<i>Nicolas Le Gouic, Robert Graczyk, Stefan Moser</i>	
Secure Best Arm Identification in the Presence of a Copycat .....	721
<i>Asaf Cohen, Onur Günlü</i>	
Estimation Error: Distribution and Pointwise Limits .....	727
<i>Luca Barletta, Alex Dytso, Shlomo S. Shitz</i>	
Estimating Mixture Distributions via Stochastic Mirror Descent.....	733
<i>Mohammadreza Ahmadypour, Tara Javidi</i>	
A Dual Optimization View to Empirical Risk Minimization with $f$ -Divergence Regularization.....	740
<i>Francisco Daunas, Iñaki Esnaola, Samir M. Perlaza</i>	
The Conditional Regret-Capacity Theorem for Batch Universal Prediction .....	746
<i>Marco Bondaschi, Michael Gastpar</i>	
$\alpha$ -Leakage Interpretation of Sibson Mutual Information and Rényi Capacity.....	752
<i>Ni Ding, Farhad Farokhi, Tao Guo, Yinfei Xu, Xiang Zhang</i>	
Data Availability Attacks: Targeted Sampling for 2-D Reed-Solomon Codes in Blockchain Systems .....	758
<i>Sonali Madisetti, Lev Tautz, Lara Dolecek</i>	
On Securing Berrut Approximated Coded Computing Through Discrete Cosine Transforms.....	764
<i>Rimpi Borah, J. Harshan</i>	

Covert Entanglement Generation and Secrecy .....	770
<i>Ohad Kimelfeld, Boulat A. Bash, Uzi Pereg</i>	
Optimal Rate Region for Lazy Secret Sharing .....	777
<i>Tao Guo, Xiaoyu Zhao, Deheng Yuan, Laigang Guo, Yinfei Xu</i>	
Byzantine-Resilient Distributed Computation via Task Replication and Local Computations .....	782
<i>Aayush Rajesh, Nikhil Karamchandani, Vinod M. Prabhakaran</i>	
FORTA: Byzantine-Resilient FL Aggregation via DFT-Guided Krum .....	788
<i>Usayd Shahul, J. Harshan</i>	
Class-Based Expurgation Attains Csiszár’s Expurgated Source-Channel Exponent .....	794
<i>Seyed A. Moeini, Albert G. I. Fàbregas</i>	
Resolution Limits of Non-Adaptive 20 Questions Estimation for Tracking Multiple Moving Targets .....	798
<i>Chunshong Sun, Lin Zhou, Jingjing Wang, Weijie Yuan, Chunxiao Jiang, Alfred Hero</i>	
Remote Channel Synthesis .....	804
<i>Yassine Hamdi, Deniz Gündüz</i>	
Dual-Domain Exponent of Maximum Mutual Information Decoding .....	810
<i>Seyed A. Moeini, Albert G. I. Fàbregas</i>	
Cross Mutual Information .....	815
<i>Chetan Gohil, Oliver M. Cliff, James M. Shine, Ben D. Fulcher, Joseph T. Lizier</i>	
Context-Aware Search and Retrieval Over Erasure Channels .....	821
<i>Sara Ghasvarianjahromi, Yauhen Yakimenka, Jörg Kliewer</i>	
Generalized Theta Series of a Lattice .....	827
<i>Maiara F. Bollauf, Hsuan-Yin Lin</i>	
Integrating Viterbi-Like Algorithms with Neural Networks for Resynchronizing Permutation Codes .....	833
<i>Hui Zhang, Yeow M. Chee</i>	
From One-Dimensional Codes to Two-Dimensional Codes: A Universal Framework for the Bounded-Weight Constraint .....	839
<i>Viet H. Le, Thanh P. Pham, Tuan T. Nguyen, Kui Cai, Kees A. S. Immink</i>	
Permutation Reconstructions for Deletion Channels .....	845
<i>Shuche Wang, Yeow M. Chee, Van K. Vu</i>	
Function-Correcting Codes for Locally Bounded Functions .....	851
<i>Charul Rajput, B. Sundar Rajan, Ragnar Freij-Hollanti, Camilla Hollanti</i>	
Efficient Computation of Marton’s Error Exponent via Constraint Decoupling .....	857
<i>Jiachuan Ye, Shitong Wu, Lingyi Chen, Wenyi Zhang, Huihui Wu, Hao Wu</i>	

**Author Index**