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(4 Papers)</td></tr>
<tr><td>9:20-10:00</td><td rowspan="2">Keynote Speech 1</td></tr>
<tr><td>10:00-10:20</td><td>Coffee Break</td><td>Coffee Break</td></tr>
<tr><td>10:20-10:40</td><td>Coffee Break</td><td rowspan="2">Session 3
(6 Papers)</td><td rowspan="2">Session 4
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<tr><td>13:40-15:00</td><td>Session 2
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<tr><td>15:00-15:20</td><td rowspan="2">Shuttle to Huawei</td></tr>
<tr><td>15:20-15:40</td><td>Coffee Break</td><td>Closing Remark</td></tr>
<tr><td>15:40-17:00</td><td>Visit the Public Area of Huawei in Songshan Lake</td><td rowspan="2">Session 6
(5 Papers)</td><td rowspan="3"></td></tr>
<tr><td>17:00-17:20</td><td rowspan="2">Keynote Speech 2
(Hyatt)</td></tr>
<tr><td>17:20-18:00</td><td>Shuttle to Banquet</td></tr>
<tr><td>18:00-20:00</td><td>Reception
(Aloft)</td><td>Dinner
(Hyatt)</td><td>Dinner
(Aloft)</td><td>Banquet
(Royal Garden Hotel)</td></tr>
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Keynote Speeches

Keynote Speech 1: Distributed Inference in the Presence of Byzantines
Pramod K. Varshney (Syracuse University)
9:20-10:20, Monday, Oct 21, 2019
Chair: Yunghsiang S. Han (yunghsiangh@gmail.com)

Keynote Speech 2: Sequences with Low Correlation and Related Topics
Tor Helleseth (University of Bergen)
17:00-18:00, Monday, Oct 21, 2019 (Hyatt Regency, SongShan Lake)
Chair: Hong-Yeop Song (hysong@yonsei.ac.kr)

Keynote Speech 3: Recent Advances of Protocol and Schedule Sequences and their Applications
Wing Shing Wong (The Chinese University of Hong Kong)
9:00-10:00, Tuesday, Oct 22, 2019
Chair: Pingzhi Fan (pzfan@swjtu.edu.cn)

Keynote Speech 4: Linear Codes from Functions
Sihem Mesnager (University of Paris VIII)
9:00-10:00, Wednesday, Oct 23, 2019
Chair: Tor Helleseth (tor.helleseth@uib.no)

Session 1: Application of Sequences (5 Papers)
10:40-12:20, Monday, Oct 21, 2019
Chair: Udaya Parampalli (udaya@unimelb.edu.au)

1-1. Jiahuan Wang, Pingzhi Fan, Zhengchun Zhou and Yang Yang. Doppler Resilient Sequences with Low Local Ambiguity Functions for Fully Polarimetric Radar Systems

1-2. Takeru Miyazaki, Shunsuke Araki, Kohei Kawase, Satoshi Uehara and Yasuyuki Nogami. Properties of Knuth's Quadratic Congruential Sequences with Modulus m=2^W p

1-3. Gangsan Kim, Min Hyung Lee and Hong-Yeop Song. Some notes on the binary sequences of length 2^n-1 with the run property

1-4. Lanping Li, Xiaohu Tang and Chintha Tellambura. Deep Learning Based Modified Message Passing Algorithm for Sparse Code Multiple Access

1-5. Huan Chen, Pingzhi Fan and Li Li. Active Users Detection Based on Deterministic Sequences for Massive Connectivity

Session 2: Boolean and Related Functions (4 Papers)
13:40-15:00, Monday, Oct 21, 2019
Chair: Dianhua Wu (dhwu@gxnu.edu.cn)

2-1.（**Invited Paper**）Sihem Mesnager and Ahmet Sinak. Strongly regular graphs from weakly regular plateaued functions

2-2. Nikolay Kaleyski. An Update on Known Invariants of Vectorial Boolean Functions

2-3. Kangquan Li, Sihem Mesnager and Longjiang Qu. Further study of 2-to-1 mappings over F_{2^n}

2-4. Pingzhi Yuan. Permutation Polynomials from two piecewise functions

Session 3: Complementary and ZCZ Sequence Sets (6 Papers)
10:20-12:20, Tuesday, Oct 22, 2019
Chair: Kojima Tetsuya (kojt@tokyo-ct.ac.jp)

3-1. Yubo Li, Chengqian Xu and Xiuping Peng. More Quasi-Complementary Sequence Sets from Difference Sets and Almost Difference Sets

3-2. Yajing Zhou, Zhengchun Zhou and Yang Yang. 4^q-QAM Complementary Sequence Sets with Non-Power-of-Two Length

3-3. Yong Wang, Tinghua Hu, Yang Yang and Zhengchun Zhou. Large Zero Correlation Zones of Golay Complementary Sets

3-4. Zhi Gu, Yang Yang and Zhengchun Zhou. New Sets of Even-Length Binary Z-Complementary Pairs

3-5. Bingsheng Shen, Yang Yang, Zhengchun Zhou and Yajing Zhou. New Constructions of Binary (Near) Complementary Sets

3-6. Xiuping Peng, Chengqian Xu and Yubo Li. Mismatched Binary Periodic Complementary Pairs with Period 3q

Session 4: Theoretical Bounds and Sequences Design (6 Papers)
10:20-12:20, Wednesday, Oct 23, 2019
Chair: Xiaohu Tang (xhutang@swjtu.edu.cn)

4-1. Shibsankar Das, Udaya Parampalli, Sudhan Majhi and Zilong Liu. An Introduction to Z-Paraunitary Matrices

4-2. Mingxing Zhang, Zhengchun Zhou, Yang Yang and Haode Yan. Optimization Method for Designing Sequences With Low Partial-period Correlation Sidelobes

4-3. Peihua Li, Cuiling Fan and Yang Yang. New Bounds on the Partial Hamming Correlation of Wide-Gap Frequency-Hopping Sequence Sets

4-4. Hongyu Han, Limengnan Zhou and Xing Liu. New Construction for Low Hit Zone Frequency Hopping Sequence Sets with Optimal Partial Hamming Correlation

4-5. Bing Liu, Zhengchun Zhou and Udaya Parampalli. A Tighter Correlation Lower Bound for Quasi-Complementary Sequence Sets with Low Correlation Zone

4-6. Geyang Wang and Qi Wang. An OACF-Preserving Operation Based on Parker's Transformation

Session 5: Coding for Communications (5 Papers)
13:40-15:20, Wednesday, Oct 23, 2019
Chair: Wai Ho Mow (eewhmow@ust.hk)

5-1. Qiaoling Zhang, Lei Zheng, Minquan Cheng and Qingchun Chen. The advantages of the Grouping Method for Repeat Requests in Coded Caching

5-2. Hao Song, Ruihu Li and Luobin Guo. Construction of Matrix-Product Codes and related New

Quantum Codes

5-3. Inseon Kim and Hong-Yeop Song. A new class of parity-check concatenated polar codes using belief propagation decoding

5-4. Sung Chul Byun, Gangsan Kim, Won Jun Kim and Hong-Yeop Song. A Construction of Non-binary Polar codes with 4 by 4 kernels

5-5. Mu Hang. Iterative Successive Cancellation List Decoding in Bit-interleaved Polar Coded Modulation System

Session 6: Coding Theory 1 (5 Papers)
15:40-17:20, Wednesday, Oct 23, 2019
Chair: Yuri Borissov (youri@math.bas.bg)

6-1. Zhuojun Zhuang, Bin Dai, Keke Zhang, Zhen Jing, Jia Huang and Hao Zhu. On Asymptotic Analysis of Relative Generalized Hamming Weight

6-2. Junli Wang, Ruihu Li, Yang Liu, and Jingjie Lv. New construction of quantum BCH Codes

6-3. Jia-Jyun Wu, Chung-Hsuan Wang and Chi-Chao Chao. Decoding Scheduling for Unequal Error Protection Quasi-Cyclic Low-Density Parity-Check Codes

6-4. Chin Hei Chan and Maosheng Xiong. Random Matrices from Linear Codes and Wigner's Semicircle Law II

6-5. Zhengbang Zha and Lei Hu. The Boomerang Uniformity of Power Permutations x^{2^k-1} over $\mathbb{F}_{2^n}$

Session 7: Network Coding and Storage Coding (4 Papers)
9:00-10:20, Thursday, Oct 24, 2019
Chair: Qi Wang (wangqi@sustech.edu.cn)

7-1. Shangyao Huang, Hanxu Hou and Xiangshou Yu. A Lower Bound on Disk Reads for Single Information Disk Failure Recovery and One Recovery Scheme for EVENODD(p, 3)

7-2. Zhi Jing, Gangsan Kim and Hong-Yeop Song. A concatenated binary locally repairable codes with locality 2 using puncturing

7-3. Kenneth Shum and Hanxu Hou. Network Coding Based on Byte-wise Circular Shift and Integer Addition

7-4. Jerod Michel and Qi Wang. Placement Delivery Arrays from Combinations of Strong Edge Colorings

Session 8: Coding Theory 2 (5 Papers)
10:40-12:20, Thursday, Oct 24, 2019
Chair: Zhengchun Zhou (zzc@swjtu.edu.cn)

8-1. Xina Zhang, Xiaoni Du, Rong Wang and Fujun Zhang. Weight Distributions of a Class of Linear Codes

8-2. Linman Yu, Zhuojun Zhuang, Zheng Ma and Bin Dai. Two Lower Bounds on the Secrecy Capacity of the Action-dependent Dirty Paper Wiretap Channel

8-3. Sota Eguchi, Takeru Miyazaki, Shunsuke Araki, Satoshi Uehara and Yasuyuki Nogami. Relations Between Evaluations of NIST tests and Lyapunov Exponents of Sequences Generated by the Piecewise Logistic Map over Integers

8-4. Jinchen Bao, Rong Shi, Xuehua Wang, Chang Liu, Ke Deng and Jian Yan. Performance Analysis of Uplink Sparse Code Multiple Access in Rician Fading

8-5. Tetsuya Kojima. Some Properties of Hadamard-type Matrices on Finite Fields

Session 9: Signal Processing and Computation Theory (5 Papers)
13:40-15:20, Thursday, Oct 24, 2019
Chair: Hanxu Hou (houhanxu@163.com)

9-1. Chao Peng, Lei Yang, Xiaomin Jiang, Yue Song and Sha Zou. A Simple Ship Radiated Noise Model and Its Application in Weak Signal Detection Based on Higher Order Cumulant

9-2. Yuri Borissov and Miroslav Markov. An Approach for Computing the Number of Points on Elliptic Curve y^2 = x^3 + a (mod p) via Explicit Formula for That Number Modulo p

9-3. Zhao Zhang and Sheng Zhang. Robust Weight-Constraint Decorrelation Normalized Maximum Versoria Algorithm

9-4. Sian-Jheng Lin, Ziting Gao and Yunghsiang S. Han. Arithmetic Coding Based on Reflected Binary Codes

9-5. Lei Deng. Convex Set of Doubly Substochastic Matrices