

1 Conference Program SETA 2026

1.1 Friday, 18 September 2026 — Registration

Time	Program item
14:30–20:30	Registration and badge collection <i>Red Wall Garden Hotel</i>
18:00–20:30	Dinner — Red Wall Garden Hotel

1.2 Saturday, 19 September 2026 — Opening Day

Morning Program

Time	Program item
08:30–08:50	Registration and badge collection <i>Conference Room, 3rd Floor, Innovation and Entrepreneurship Building</i>
08:50–09:00	Opening Ceremony <i>Welcome Remarks</i>
09:00–10:00	Keynote: Arne Winterhof (Chair: Sihem Mesnager) Pseudorandomness of Algebraic Binary Sequences <i>Austrian Academy of Sciences, Austria</i>
10:00–10:20	Coffee Break
Session 1 — Algebraic Aspects of Sequences and Codes	
Session chair: Udaya Parampalli	
10:20–10:45	Constructions of Two-to-One Mappings over the Finite Field $\mathbb{F}_{2^{2m}}$ Jinfeng Chong, Guohao Chen, and Zepeng Zhuo
10:45–11:10	Some Notes on the Expansion Complexity of Pseudorandom Sequences Hezheng Lin, Zhimin Sun, and Lingmei Xiao
11:10–11:35	Construction of Self-Orthogonal Codes and Their Applications Fuling Chen, Dongchun Han, Cuiling Fan, and Sihem Mesnager
11:35–12:00	Self-Orthogonal Twisted Generalized Reed-Solomon Codes and Their Application to Quantum Error-Correcting Codes Yanxin Chen, Yanli Wang, and Tongjiang Yan

Afternoon Program

Time	Program item
12:00–14:30	Lunch — Red Wall Garden Hotel
Session 2 — Correlation and Feedback Functions of Sequences	
Session chair: Yongbo Xia	
14:30–14:55	Sequences with Thirteen-Valued Cross Correlations Yuehui Cui and Jinquan Luo
14:55–15:20	On Almost Ideal Arithmetic Autocorrelation Vladimir Edemskiy, Feifei Yan, and Pinhui Ke
15:20–15:45	On Determining Feedback Functions of Binary de Bruijn Sequences Zuling Chang, Shujie Wang, and Yunlong Zhu
15:45–16:15	Coffee Break
Session 3 — Complementary Sequences and Pairs	
Session chair: Dongchun Han	
16:15–16:40	Residue Loom for Periodic Complementary Pairs Weifeng Shang and Ilias Kotsireas
16:40–17:05	A New Class of Optimal Binary Linear Complementary Pairs of Codes Yansheng Wu and Jing Chen
17:05–17:30	Constructions of Complementary Sequence Sets of Non-Power-of-Two Lengths with Large Codebook Size Yajing Zhou, Jiyu Yang, and Hui Zhang
18:00–20:30	Dinner — Red Wall Garden Hotel

1.3 Sunday, 20 September 2026

Morning Program

Time	Program item
09:00–10:00	Keynote: Chunming Tang (Chair: Zhengchun Zhou) Beyond Classical Properties: Recent Advances and New Perspectives on m -Sequences <i>Southwest Jiaotong University, Chengdu, China</i>
10:00–10:20	Coffee Break
Session 4 — Polyphase, Doppler-Resilient, ZAZ Sequences	
Session chair: Zuling Chang	
10:20–10:45	Two Novel Constructions of Asymptotically Optimal and Near-Optimal Periodic Doppler Resilient Complementary Sequence Sets Xuanyu Liu, Pinhui Ke, and Zuling Chang
10:45–11:10	A Large Set of Polyphase Sequences with Low Correlation and Low Ambiguity Function Xinpeng Bian, Avik Ranjan Adhikary, and Chunming Tang
11:10–11:35	Sarwate-Type Bounds for Polyphase Auto-ZAZ Sequences and Optimal Sequence Families Mengshi Kao, Gaofei Wu, and Zilong Wang
11:35–12:00	New Bounds on the Partial Hamming Correlation of Multi-Timeslot Wide-Gap Frequency-Hopping Sequence Sets with Frequency Shift Yidong Xiang, Xianhua Niu, Xing Liu, Siming Pang, Mingpeng Wang, Jianhong Zhao, and Hong Fu

Afternoon Program

Time	Program item
12:00–14:30	Lunch — Red Wall Garden Hotel
Session 5 — Combinatorial Structures and Classical Codes	
Session chair: Chengju Li	
14:30–14:55	Duality in Periodic Sets Minjia Shi, Mengru Yang, and Patrick Solé
14:55–15:20	Quinary Repeated-Root Cyclic Codes with Good Parameters Yifan Tangfang, Gaojun Luo, Xiwang Cao, and Yihong Yang
15:20–15:45	On a Class of Ternary LCD BCH Codes Mrinal Kanti Bose, Udaya Parampalli, and Abhay Kumar Singh
15:45–16:15	Coffee Break
Session 6 — Waveform and Data-Driven Sequence Design	
Session chair: Yubo Li	
16:15–16:40	Efficient Generation of Shorthand Universal Cycles for Permutations Zuling Chang, Lingyu Diao, and Jie Xue
16:40–17:05	A New Periodic Total Squared Correlation Bound and Nearly Optimal Constructions of Quaternary Signature Sets Xuliang Wang, Bing Liu, Yuhang Che, Chao Qi, and Jianhong Zhou
17:05–17:30	Waveform Design for Dual-Functional Radar-Communication Systems Based on Consensus-ADMM Enbo Hu, Runze Liu, Xiaoyu Chen, and Yubo Li
17:30–17:55	HpLSTM: An MOCSS Generation Method Based on Long and Short Term Memory Network and Discrete Hopfield Neural Network Yuhang Che, Haiyi Zhao, and Bing Liu
18:00–20:30	Dinner — Red Wall Garden Hotel

1.4 Monday, 21 September 2026

Morning Program

Time	Program item
09:00–10:00	Keynote: Hong-Yeop Song (Chair: Minjia Shi) Connection between Florentine Rectangles and the Family of Perfect Polyphase Sequences with Optimum Crosscorrelation <i>Yonsei University, Seoul, Korea</i>
10:00–10:20	Coffee Break
Session 7 — Wide-Gap and Low-Hit-Zone Frequency Hopping	
Session chair: Xianhua Niu	
10:20–10:45	New Constructions of Optimal One-Coincidence Wide-Gap Frequency-Hopping Sequence Set Qianhui Wei, Xinyu Tian, and Xiaoyu Chen
10:45–11:10	Constructions of Optimal or Near-Optimal Wide-Gap Low-Hit-Zone Frequency-Hopping Sequence Sets Via Interleaving Technique Yuwei Chen, Yang Yang, Wei Su, and Udaya Parampalli
11:10–11:35	New Constructions for Optimal Sets of Wide-Gap Frequency-Hopping Sequences with Low-Hit-Zone Xiaoyan Chen, Avik Ranjan Adhikary, Zhengchun Zhou, and Udaya Parampalli
11:35–12:00	New Bounds on the Partial Hamming Correlation of Wide-Gap Low-Hit-Zone Frequency-Hopping Sequences with Frequency Shift Kun Hu, Hongyu Han, and Sheng Zhang

Afternoon Program

Time	Program item
12:00–14:00	Lunch — Red Wall Garden Hotel
14:00–14:15	Excursion Assembly <i>Meeting Point: Red Wall Garden Hotel Lobby</i>
14:15–17:30	Conference Excursion <i>Destination: East Lake</i>
17:30–18:30	Return and Personal Time

Evening Program

Time	Program item
18:30–20:00	SETA 2026 Conference Banquet

1.5 Tuesday, 22 September 2026

Morning Program

Time	Program item
09:00–10:00	Keynote: Ferruh Özbudak (Chair: Chunlei Li) Bounds and Constructions for Orthogonal and Covering Arrays <i>Sabanci University, Istanbul, Turkey</i>
10:00–10:20	Coffee Break
Session 8 —	Codebooks and Frequency-Hopping Constructions Session chair: Zhimin Sun
10:20–10:45	A Generic Construction of Complex Codebooks from Functions over Abelian Groups Ziling Heng, Chenkun Xie, Jiantao Hu, and Xiaoyan Jing
10:45–11:10	Compatible Permutations by Schur-Complement Extensions and Their Applications to NOMA Codebooks and MUBs Chunlei Li, Constanza Riera, and Pantelimon Stănică
11:10–11:35	Optimal Frequency-Hopping Sequences from Partition-Type Difference Family with Chaotically Enhanced Linear Complexity Gejun Zhu, Shanding Xu, Tianyi Liu, and Xiangyong Feng
11:35–12:00	New Constructions of Optimal Frequency-Hopping Sequence Sets Based on a Refined Interleaving Framework Xingyu Zheng and Zhengchun Zhou

Afternoon Program

Time	Program item
12:00–14:30	Lunch — Red Wall Garden Hotel
Session 9 —	Linear Codes, Hulls, and Projective Constructions Session chair: Kangquan Li
14:30–14:55	A New Family of Few-Weight Minimal Linear Codes via Bivariate Trace Functions Tong Cui, Shanding Xu, and Gejun Zhu
14:55–15:20	Subfield Codes and Hull Dimensions of a Family of Projective Optimal Linear Codes Liang Shao, Zhao Hu, and Nian Li
15:20–15:45	Several Classes of Linear Codes from Projective Spaces Guangkui Xu, Weiqi Wang, and Heqian Xu
15:45–16:10	Double Cyclic Codes over $\mathbb{F}_q + u\mathbb{F}_q + v\mathbb{F}_q$ and Their Application to EAQEC Pinakin Dave and Amit Sharma
16:10–16:40	Coffee Break
Session 10 —	Sequences, Codes, and Pseudorandomness (Online) Session chair: Jie Li
16:40–17:05	k-ary Legendre Pairs Ilias Kotsireas, Huaning Liu, and Arne Winterhof
17:05–17:30	Correlation Bounds and Markov Analysis for RO Based TRNGs Miguel Alcocer-Pérez, Ana Isabel Gómez, and Domingo Gómez-Pérez
17:30–17:55	New Classes of Binary Quantum CSS-T Codes Based on Plateaued Functions Melike Çakmak, Sihem Mesnager, Ahmet Sinak, and Oğuz Yayla
18:00–20:30	Dinner — Red Wall Garden Hotel

1.6 Wednesday, 23 September 2026

Morning Program

Time	Program item
09:00–10:00	Keynote: Chunlei Li (Chair: Patrick Solé) Sequences with Good Periodic and/or Aperiodic Autocorrelation <i>University of Bergen, Norway</i>
10:00–10:20	Coffee Break
Session 11 —	Sequence Complexity and Code Constructions Session chair: Haode Yan
10:20–10:45	On the k-error Linear Complexity of the Ding-Helleseth-Martinsen Sequences Jingwei Zhang, Changan Zhao, and Yunlong Zhu
10:45–11:10	Trace Representation of Binary Sequences Derived from Euler Quotients Modulo pq^m Jingwei Zhang and Changan Zhao
11:10–11:35	Self-Orthogonal Codes over Non-Unital Non-Commutative Rings from Simplicial Complexes Yan Wang, Tong Su, Xudong Wang, and Chenhuang Wu
11:35–12:00	Binary Goppa Codes with A_4 Automorphism Groups and Their Parameters Tianni He, Kangquan Li, and Longjiang Qu
12:00–12:15	Closing Session <i>Acknowledgements and farewell</i>
12:15–14:30	Lunch — Red Wall Garden Hotel
End of SETA 2026	