

# SETA 2018

## Sequences and Their Applications

Hong Kong University of Science and Technology, Hong Kong, 1-6 October 2018

### Conference Topics Include

- Aperiodic and periodic correlation of sequences
- Combinatorial aspects of sequences, including difference sets
- Correlation and transformation of Boolean functions
- Linear and nonlinear complexity of sequences
- Linear and nonlinear feedback shift register sequences
- Multidimensional sequences and their correlation
- Number-theoretic aspects of sequences
- Pseudorandom sequence generator properties
- Randomness of sequences
- Sequences over finite fields/rings/function fields
- Sequences with applications in coding theory and cryptography
- Sequences for radar, synchronization, and wireless communications

### Invited Speakers

Sihem Mesnager (University of Paris 8, France)  
Alex Pott (Otto-von-Guericke University Magdeburg, Germany)  
Kai-Uwe Schmidt (Paderborn University, Germany)  
Chaoping Xing (Nanyang Technological University, Singapore)  
Raymond Yeung (The Chinese University of Hong Kong, Hong Kong)

### Important Dates

- 8 May 2018:** Deadline for submission of extended abstracts  
**24 June 2018:** Notification of acceptance  
**17 July 2018:** Final submission of accepted extended abstracts

### Submission Details

- Extended abstracts of 6-12 pages should be submitted in PDF format via <https://easychair.org/conferences/?conf=seta2018>  
Details will be posted on the conference website.
- Submissions will be peer-reviewed and accepted submissions will be presented at the conference. Accepted extended abstracts will be made available to the conference participants during the conference.
- Authors of accepted extended abstracts will be invited to submit a full paper to a special issue in “Cryptography and Communications: Discrete Structures, Boolean Functions and Sequences”.

### General Co-Chairs

Wai Ho Mow  
Maosheng Xiong

### Program Co-Chairs

Tor Helleseth  
Zhengchun Zhou

### Local Organizing Committee

Cunsheng Ding  
Guangyue Han  
Ping Li  
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### Technical Program Committee

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Qi Wang  
Qiang Wang  
Arne Winterhof  
Kyeongcheol Yang  
Nam Yul Yu  
Yue Zhou



Conference Website: <http://seta2018.ust.hk/>