



The 10th International Workshop on Signal Design and its Applications in Communications (IWSDA'22)

August 1-5, 2022, University of Essex, UK

<https://iwsda2022.github.io/>

Call for Papers

The 10th International Workshop on Signal Design and its Applications in Communications (IWSDA'22) will be held at University of Essex, Colchester, United Kingdom on **August 1-5, 2022**. The IWSDA workshop series dates back to September 2001 in Chengdu, China, and since 2005 has been held every 2 years in Dongguan, China, Yamaguchi, Japan, Chengdu, China, Fukuoka, Japan, Guilin China, Tokyo, Japan, Bengaluru, India and Sapporo, Japan. The aim of the workshop series is to foster fruitful interactions among signal designers, coding theorists, cryptographic researchers and communications practitioners from all over the world. **Note: due to the pandemic, this conference will be held in hybrid mode.**

Topics

The topics of this workshop include, but are not limited to, the topics listed below:

- Big Data Analysis
- Data Hiding and Steganography
- Coding for Communications and Storage
- Detection and Estimation
- Coding Theory
- Network Coding and Applications
- Combinatorial Structures for Code and Sequence Design
- Sequences
- Communication Theory
- Signal Design for Radar and Communication
- Complexity and Computation Theory
- Signal Processing
- Compressive Sensing and Sparsity
- Space-Time Codes
- Cryptography, Privacy and Security
- Wireless Communication and Networks

Paper Submission

Papers presenting new results in the above areas are hereby solicited. Only electronic submissions via the conference website in PDF formats are accepted. Each submission must be at most 5 pages in length and conform to the double-column IEEE conference proceedings format (style file and templates can be downloaded from the conference website).

Conference Proceedings

The conference proceedings of IWSDA'22 will be published by IEEE Press, and included in IEEE Xplore.

Sponsors

The workshop is supported by the following technical sponsors: IEEE United Kingdom & Ireland Section SP Chapter, University of Essex (UK), Southwest Jiaotong University (China), and University of Bergen (Norway).

Important Dates

- ✓ **Manuscript submission: April 11, 2022**
- ✓ Acceptance notification: May 30, 2022
- ✓ Camera-ready submission: June 30, 2022
- ✓ Early-Bird registration: July 2, 2022

IWSDA'22
August 1-5, 2022
Essex, UK





IWSDA'22 Committee

Honorary Chair:

- Paddy Farrell, University of Manchester, UK

General Co-Chairs:

- Tor Helleseth, University of Bergen, Norway
- Pingzhi Fan, Southwest Jiaotong University, China
- Zilong Liu, University of Essex, UK

Local Arrangement Chairs

- Anish Jindal, University of Essex, UK
- Xinruo Zhang, University of Essex, UK

Publication Chair

- Eirina Bourtsoulatze, University of Essex, UK

Finance Chair

- Nikolaos Thomos, University of Essex, UK

Publicity Chair

- Liu Yang, Southwest Jiaotong University, China

TPC Co-Chairs:

- Sihem Mesnager, University of Paris VIII, France
- Tetsuya Kojima, NIT, Tokyo College, Japan
- Kwang Soon Kim, Yonsei University, Korea

TPC (In alphabetical order of the surnames)

- Adrish Banerjee, Indian Institute of Technology Kanpur, India
- Martino Borello, Université Paris 8 - LAGA, France
- Serdar Boztas, RMIT University, Australia
- Lilya Budaghyan, University of Bergen, Norway
- Claude Carlet, Paris 8, France
- Xiwang Cao, Nanjing University of Aeronautics and Astronautics, China
- Seok-Ho Chang, Dankook University, Korea
- Chi-Chao Chao, National Tsing Hua University, Taiwan
- Chao-Yu Chen, National Cheng Kung University, Taiwan
- Cunsheng Ding, The Hong Kong University of Science and Technology, Hong-Kong
- Arman Farhang, Maynooth University, Ireland
- Guang Gong, University of Waterloo, Canada
- Hiromasa Habuchi, Ibaraki University, Japan
- Jonathan Jedwab, Simon Fraser University, Canada

- Yungxiang Sam. Han, Dongguan University of Technology, China
- Sang-Hyo Kim, Sungkyunkwan University, Korea
- Young-Sik Kim, Chosun University, Korea
- Namyeon Lee, POSTECH, Korea
- Woong-Hee Lee, Ericsson, Sweden
- Chengju Li, East China Normal University, Shanghai, China
- Chunlei Li, University of Bergen, Norway
- Nian Li, Hubei University, China
- Yunwei Liu, Queen Mary University of London, UK
- Sudhan Majhi, IIT Patna, India
- Takahiro Matsumoto, Yamaguchi University, Japan
- Balazs Matuz, German Aerospace Centre, Germany
- Sihem Mesnager, University of Paris VIII, France
- Mounira Msahli, Institut polytechnique de Paris, France
- Wai Ho Mow, Hong Kong University of Science and Technology, Hong Kong
- Md. Noor-A-Rahim, University College Cork, Ireland
- Ferruh Ozbudak, Middle East Technical University, Ankara, Turkey
- Udaya Parampalli, University of Melbourne, Australia
- Alexander Pott, University Magdeburg, Germany
- Yanfeng Qi, Hangzhou Dianzi University, China
- Longjiang Qu, University of Defence Technology, China
- Joachim Rosenthal, University of Zurich, Switzerland
- Patrick Sole, CNRS, France
- Hong-Yeop Song, Yonsei University, Korea
- Sihong Su, Henan University, China
- Chunming Tang, China West Normal University, China
- Xiaohu Tang, Southwest Jiaotong University, China
- Hideyuki Torii, Kanagawa Institute of Technology, Japan
- Satoshi Uehara, The University of Kitakyushu, Japan
- Arne Winterhof, RICAM, Austrian Academy of Sciences, Austria
- Kyeongcheol Yang, POSTECH, Korea
- Lei Zhang, University of Glasgow, UK
- Junru Zheng, Kyushu Women's University, Japan
- Zhengchun Zhou, Southwest Jiaotong University, China

IWSDA'22
August 1-5, 2022
Essex, UK

