



# ISPACS 2022

**International Symposium on Intelligent  
Signal Processing and Communication**  
G Hotel, Penang, Malaysia  
22-25 November 2022  
<https://ispacs2022.org>

## ORGANIZING COMMITTEE

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Wan Noorshahida Mohd Isa (MMU, Malaysia)

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Siew Cheng Lai (UTAR, Malaysia)

### Web and Social Media Chair

R. Kanesaraj A/L Ramasamy (MMU, Malaysia)

### Registration Chair

Kok Why Ng (MMU, Malaysia)

### Finance Chair

Junaidi Abdullah (MMU, Malaysia)

## CALL FOR PAPER

International Symposium on Intelligent Signal Processing and Communication Systems (ISPACS 2022) will be held on November 22-25, 2022 in Penang, Malaysia. ISPACS 2022 aims to provide an international forum for researchers and practitioners to share their knowledge and experience in intelligent signal processing and communication systems.

## TOPICS

Papers for ISPACS 2022 are solicited in, but not limited to, the following areas:

- Information Theory
- Wideband and Massive MIMO
- Audio/Speech Processing
- Image/Video Processing
- Visible Light Communication
- Internet of Things
- Software Defined Networks
- Digital Signal Processors
- Sensors and Devices
- Intelligent Instrumentations
- Smart Devices
- Wearable Electronics
- Video and Multimedia Technology
- Wireless Systems
- Cloud Computing
- Machine Learning

## PAPER SUBMISSION

Prospective authors are invited to submit a 2-4 page paper for review, including tables, figures, and references for each paper. Accepted papers that are presented in ISPACS 2022 will be submitted for inclusion in the IEEE Xplore digital library.

## IMPORTANT DATES

<b>Special session proposals submission</b>	15 June, 2022
<b>Regular Paper/Special Session/Demo submission deadline</b>	1 August, 2022
<b>Notification of acceptance</b>	1 September, 2022
<b>Submission of camera-ready full papers</b>	20 September, 2022
<b>Early bird registration deadline</b>	1 October, 2022
<b>Conference</b>	22-25 November, 2022

## Organized by:

- Multimedia University (MMU), Malaysia
- Universiti Tunku Abdul Rahman (UTAR), Malaysia





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## LIST OF SPECIAL SESSIONS

### Advanced Topics on Multimedia Security and Applications

Shoko Imaizumi, Chiba University, Japan ([imaizumi@chiba-u.jp](mailto:imaizumi@chiba-u.jp))

Sim Ying Ong, Universiti Malaya, Malaysia ([simying.ong@um.edu.my](mailto:simying.ong@um.edu.my))

### Applications of Machine Learning in Simulations in Engineering

Iman Yi Liao, University of Nottingham Malaysia ([Iman.Liao@nottingham.edu.my](mailto:Iman.Liao@nottingham.edu.my))

Ooi Ean Hin, Monash University Malaysia ([ooi.eab.hin@monash.edu](mailto:ooi.eab.hin@monash.edu))

### Digital Pathology (Histopathological Image Analysis)

Mohammad Faizal Ahmad Fauzi, Multimedia University, Malaysia ([mohammad.faizal.ahmad.fauzi@mmu.edu.my](mailto:mohammad.faizal.ahmad.fauzi@mmu.edu.my))

Afzan Adam, Universiti Kebangsaan Malaysia ([afzan@ukm.edu.my](mailto:afzan@ukm.edu.my))

Elaine Chan, International Medical University, Malaysia ([elainechan@imu.edu.my](mailto:elainechan@imu.edu.my))

### Innovative Applications for Artificial Intelligence and Data Science

Lin Min Min Myint, King Mongkut's Institute of Technology Ladkrabang, Thailand ([linminmin.my@kmitl.ac.th](mailto:linminmin.my@kmitl.ac.th))

### Intelligent Fault Diagnostic Techniques Based on Visual Perception

Chengxu Zhou, Liaoning University of Technology, China ([zhouchengxu@lnut.edu.cn](mailto:zhouchengxu@lnut.edu.cn))

Guangcheng Wang, Nantong University, China ([wanggc@ntu.edu.cn](mailto:wanggc@ntu.edu.cn))

Zhaolin Wan, Dalian Maritime University, China ([zlw@dlmu.edu.cn](mailto:zlw@dlmu.edu.cn))

Ting Shi, Beijing University of Technology, China ([tingshi@bjut.edu.cn](mailto:tingshi@bjut.edu.cn))

### Representation Learning and Pattern Recognition in Computer Vision

Ong Thian Song, Multimedia University, Malaysia ([tsong@mmu.edu.my](mailto:tsong@mmu.edu.my))

Lee Chin Poo, Multimedia University, Malaysia ([cplee@mmu.edu.my](mailto:cplee@mmu.edu.my))

Lim Kian Ming, Multimedia University, Malaysia ([kmlim@mmu.edu.my](mailto:kmlim@mmu.edu.my))

### Signal Processing and Wireless Communication Technologies in 5G and 6G

Abdellah Chehri, University of Quebec, UQAC, Canada ([abdellah\\_chehri@uqac.ca](mailto:abdellah_chehri@uqac.ca))

Gwanggil Jeon, Incheon National University, Korea ([gjeon@inu.ac.kr](mailto:gjeon@inu.ac.kr))

### Smart Electronics and Smart Systems

Pipat Prommee, King Mongkut's Institute of Technology Ladkrabang, Thailand ([pipat.pr@kmitl.ac.th](mailto:pipat.pr@kmitl.ac.th))

### Visual Attributes for Smart Applications (VASA)

Md Baharul Islam, American University of Malta, Malta ([baharul.islam@aum.edu.mt](mailto:baharul.islam@aum.edu.mt))

Md Atiqur Rahman Ahad, University of East London, UK, Email: ([m.ahad@uel.ac.uk](mailto:m.ahad@uel.ac.uk))