



**THE IEEE 2022 6th SOFTT
TECHNICAL
PRESENTATION
SCHEDULE**

TECHNICAL SESSIONS

15 NOVEMBER 2022

SESSION 1

Quantum Communication and Security

Chairperson : Dr. Rudzidatul Akmam Dziyauddin

Co-chair : Dr. Budi Prasetya

Venue (Physical) : Lekir Room, Ramada Hotel

Virtual Platform : <https://utm.webex.com/meet/softt2022>

Meeting number : 578641834

Time	Author(s)	Paper Title
14:45 - 15:00 pm	Dyan Ahadiansyah* ; Khoirul Anwar; Gelar Budiman	Paper ID: 1570848800 Investigation on Shor Codes as Degenerate Codes but Correct All Single Quantum Errors
15:00 - 15:15 pm	Muhammad Imansyah Basudewa* ; Khoirul Anwar; Linda Meylani	Paper ID: 1570852407 Study on the Design of Simple Quantum Communications Based on Orbital Angular Momentum
15:15 - 15:30 pm	Muhammad Farman Andrijasa ; Saiful Adli Ismail; Norulhusna Ahmad	Paper ID: 1570841284 Towards Automatic Exploit Generation for Identifying Re-Entrancy Attacks on Cross-Contract
15:30 - 15:45 pm	Mutiarahmi Khairunnisa; Gelar Budiman ; Ledy Novamizanti	Paper ID: 1570852357 Quantum Image Watermarking Based on Least Significant Bit for Color Images Virtual Presentation

Presentation – 10 mins; Q&A – 5 mins. Titles are accurate as of printing date.

***Presenter during conference**

TECHNICAL SESSIONS

15 NOVEMBER 2022

SESSION 2

Physical Layer Communication

Chairperson : **Dr. Linda Meylani**

Co-chair : **Dr. Mohd Azri Mohd Izhar**

Venue (Physical) : **Lekir Room, Ramada Hotel**

Virtual Platform : <https://utm.webex.com/meet/softt2022>

Meeting number : 578641834

Time	Author(s)	Paper Title
16:00 - 16:15 pm	Lucas Johannsen* ; Claus Kestel; Timo Vogt; Norbert Wehn	Paper ID: 1570841373 Parallel Single Parity Check Nodes for High-Throughput Fast-SSCL Polar Code Decoders
16:15 - 16:30 pm	Yuyun Siti Rohmah ; Adit Kurniawan; Khoirul Anwar; Mohammad Sigit Arifianto	Paper ID: 1570857012 Investigating the Performances of Polar Codes Under Atmospheric Turbulence Log-Normal Distributed Channels for Free Space Optical (FSO) Communications
16:30 - 16:45 pm	Khoirul Anwar* ; Nadaina Salsabila; M. Rizky Satya Bhaskara; Miftahul Jannah	Paper ID: 1570841722 Study on Simple Channel Coding Scheme for Molecular Communications
16:45 - 17:00 pm	Hui Jing Liong* ; Choo Wee Raymond Chiong; Lenin Gopal; Filbert H. Juwono	Paper ID: 1570856136 Sum-Rate Maximization for Intelligent Reflecting Surface Assisted MIMO SWIPT Systems Virtual Presentation
17:00 - 17:15 pm	Mohammed Alfaqawi* ; Hatem Ibn Khedher; Ahmed E. Kamal	Paper ID: 1570850963 Energy-Delay Optimization for Ultra-Reliable Low Latency Communication Link: Virtual Presentation
17:15 - 17:30pm	Levy Olivia Nur; Bambang Setia Nugroho; Salwa Salsabila	Paper ID: 1570841498 Rectangular Patch Antenna Based Metamaterial for 5G Application Link: Virtual Presentation

Presentation – 10 mins; Q&A – 5 mins. Titles are accurate as of printing date.

***Presenter during conference**

TECHNICAL SESSIONS

16 NOVEMBER 2022

SESSION 3

Artificial Intelligence and Advanced Signal Processing

Chairperson : Assoc. Prof. Dr. Norliza Mohamed

Co-chair : Dr. Yuyun Rohmah

Venue (Physical) : Lekir Room, Ramada Hotel

Virtual Platform : <https://utm.webex.com/meet/softt2022>

Meeting number : 578641834

Time	Author(s)	Paper Title
09:00 - 09:15 am	Rudzidatul Dziauddin; Nur Izdiyar Muhd Amir	Paper ID: 1570841695 Machine Learning Algorithm for Fall Classification Using Wearable Device
09:15 - 09:30 am	Muhammad Atiff Zakwan Bin Mohd Ariffin* ; Siti Nur Aisyah Mohd Robi; Mohd Azri Mohd Izhar; Norulhusna Ahmad	Paper ID: 1570841867 Performance Evaluation of the Azure Kinect Body Tracking Algorithm for Multi-Speaker Tracking
09:30 - 09:45 am	Nurul Amirah Mashudi , Norulhusna Ahmad; Norliza Mohamed; Suriani Mohd Sam; Robiah Ahmad	Paper ID: 1570854810 Deep Learning Approaches for Weather Image Recognition in Agriculture
09:45 - 10:00 am	Aqeel Noori Mohammed Ali , Al-Asadi; Norulhusna Ahmad; Norliza Mohd Noor; Siti Armiza Mohd Aris	Paper ID: 1570858833 Image Compression Using AMBTC with Artificial Neural Networks
10:00 - 10:15 pm	Muhammad Amirul 'Ammar , Rita Purnamasari; Gelar Budiman	Paper ID: 1570841832 Compressive Sampling on Weather Radar Application via Discrete Cosine Transform (DCT) Virtual Presentation

Presentation – 10 mins; Q&A – 5 mins. Titles are accurate as of printing date.

***Presenter during conference**

TECHNICAL SESSIONS

16 NOVEMBER 2022

SESSION 4

Internet of Things, Vehicular Communication and Aerial Communication

Chairperson : Assoc. Prof. Dr. Khoirul Anwar
Co-chair : Dr. Hazilah Mad Kaidi
Venue (Physical) : Lekir Room, Ramada Hotel
Virtual Platform: <https://utm.webex.com/meet/softt2022>
 Meeting number : 578641834

Time	Author(s)	Paper Title
10:30 - 10:45 am	Nur Haliza Abdul Wahab; Noorhazirah Sunar; Nor Aishah Muhammad; Keng Yinn Wong; Sharifah Hafizah Syed Ariffin; Khairunnisa Abdul Kadir*	Paper ID: 1570848638 Aquatic Life Monitoring Using Raspberry-Pi in Internet of Things (IoT)
10:45 - 11:00 am	Mohd Ismifaizul Bin Mohd Ismail; Rudzidatul Dziyauddin; Hazilah Mad Kaidi; Mohd Azri Mohd Izhar; Shafiqqa Samsul	Paper ID: 1570856986 Comparison of Wireless Sensor Node Localisation Between Trilateration and Multi-Lateration Methods Using Rssi
11:00 - 11:15 am	Falindio Muhammad Riyadi* ; Khoirul Anwar; Nachwan Mufti Adriansyah	Paper ID: 1570848282 Study on Channel Coding for Future Railway Mobile Communication Systems
11:15- 11:30 am	Okzata Recy* ; Khoirul Anwar	Paper ID: 1570852177 Simple Virtual Turbo Codes for Unmanned Aerial Vehicle (UAV) Communications
11:30 - 11:45 pm	Levy Olivia Nur; Dwi Andi Nurmantris; Ananta Putri Prakusy	Paper ID: 1570841512 Directional Compact Antenna for Wireless Sensor Network at 2.4 GHz Frequency Virtual Presentation
11:45- 12:00 pm	Omran Alshalabi* ; Nadhiya Liyana Mohd Kamal; Zulhilmy Sahwee; Nurhakimah Norhashim; Shahrul Ahmad Shah	Paper ID: 1570847930 Feasibility of LTE-Connected Unmanned Aerial Vehicle Virtual Presentation
12:00- 12:15 pm	Mohamad Razin Naim Mohd Alias; Dzahir Rashidi Mohd Dzaki; Norashidah Din; Rossi Passarella; Siti Noratiqah Mohd Deros	Paper ID: 1570852128 IoT-Based Transmission Tower Monitoring Communications and Visualization Platform Virtual Presentation

Presentation – 10 mins; Q&A – 5 mins. Titles are accurate as of printing date.
***Presenter during conference**