

# IEEE International Conference on Computing, Networking, Telecommunications & Engineering Sciences Applications 2024 (IEEE CoNTESA '24)

18 - 19 December, 2024

University Metropolitan Tirana (UMT), Albania

## IEEE CoNTESA '24 Conference Programme

Day-1: 18 December, 2023, Wednesday (Time Zone: Albania (GMT+1))

Day-1 Meeting Link: <https://shorturl.at/4lmju>, Physical Location: A2 Building 3

| Time         | Session  | Session Details   |                             |  |
|--------------|--|---|-----------------------------|--|
| 08:30-09:00  | Registration   |   |                             |  |
| 09:00-10:00  | Opening Ceremony   | Welcome address and presentation of conference statistics by <b>Dr Maaruf Ali (Conference)</b><br>Welcome address: Officials from UMT   |                             |  |
| 10:00-11:00  | Keynote Speech   | Professor Hoa Le Minh, Professor in Optical Communications and the Deputy Head of Department of Mathematics, Physics, and Electrical Engineering, Northumbria University, UK. |                             |  |
| 11:00-11:30  | Refreshment Break: Open Discussion/<br>Networking                                    |   |                             |  |
| 11:30- 12:30 | Track-1 Engineering Education and Sustainable Development, Session Chair: Maaruf Ali |   |                             |  |
|              | Time   | Paper ID  | Presenting Author           | Paper Title  |
|              | 11:30-11:50  | 12  | Sakthi Sangeetha Kandaswamy | Analysing Scope Risk in Vulnerability Assessment and Penetration Testing Methodology |
|              | 11:50-12:10  | 33  | Mehmet Zirek                | Empowering Start-ups Through Hybrid Business Simulations: A University-Centric Model |
|              | 12:10-12:30  | 20  | Huber Nieto-Chaupis         | The Gaussian and Weibull Manifestations of Friis Transmission Equation               |

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| 12:30-14:30  | Lunch Break   |          |                   |  |
| 14:30- 15:30 | Track-2: Electronics & Communications Engineering, Session Chair: TBA |          |                   |  |
|              | Time  | Paper ID | Presenting Author | Paper Title  |
|              | 14:30-14:50   | 11       | Evis Plaku        | Safety Analysis for Autonomous Mobile Robot Navigation using Traffic Sign Recognition, Dynamic Object Detection, and Semantic Segmentation |
|              | 14:50-15:10   | 13       | Rea Bitri         | Nanogenerators: A New Paradigm in Energy Harvesting and Self-Powered Systems   |
|              | 15:10-15:30   | 5        | Lua Ying Qian     | Optimized Design of a Current Mirror in 150nm GaAs Technology  |
| 15:30-16:00  | Refreshment Break: Open Discussion/ Networking                        |          |                   |  |
| 16:00-17:00  | Track-3a: Computing and IT, Session Chair: TBA                        |          |                   |  |
|              | Time  | Paper ID | Presenting Author | Paper Title  |
|              | 16:10-16:20   | 17       | Klea Elmazi       | Evaluating Support Vector Machine and Logistic Regression: A Machine Learning-Based Statistical Study for Breast Cancer Diagnosis          |
|              | 16:20-16:40   | 18       | Elton Domnori     | Interactive Language Learning: The Potential of the 'LingoVerse' Application to Motivate Through Play                                      |
|              | 16:40-17:00   | 22       | Fatjon Mehmeti    | Expressing Liminality in Data within the context of Deep Learning  |
| 16:20        | End of Day 1  |          |                   |  |

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**Day 2: 19 December, 2023, Thursday (Time Zone: Albania (GMT+1))**

Day-2 Meeting Link: <https://shorturl.at/4ErwX>, Physical Location: A2 Building 3

| Time         | Session  | Session Details |                     |  |
|--------------|--|-----------------|---------------------|--|
| 10:00- 11:40 | Track-3b: Computing and IT (Continued), Session Chair: TBA |                 |                     |  |
|              | Time   | Paper ID        | Presenting Author   | Paper Title  |
|              | 10:00-10:20  | 14              | Alba Meça           | A Comparative Analysis of Startups Applying Artificial Intelligence (AI) in Clinical Oncology  |
|              | 10:20-10:40  | 19              | Huber Nieto-Chaupis | Perturbed Perceptron’s Input to Derive Schrödinger Equation in Artificial Neural Network   |
|              | 10:40-11:00  | 32              | Anxhelo Shehu       | Downsizing Mammograms by Seam Carving Content Aware Algorithm Increases the Robustness of Deep Learning Benignancy – Malignancy Predictors |
|              | 11:00-11:20  | 34              | Kledia Tirana       | 5G Impact on the flow of Wireless Internet Traffic   |
|              | 11:20-11:40  | 39              | Irfan Ali Channa    | A New Framework for PQDs Classification Using GRU-based Intelligent Model in Utility Smart Grid Network                                    |
| 11:40-12:00  | Declaration of Best Paper Awards and Closing Speech        |                 |                     |  |
| 12:00        | End of Day 2 and the Conference                            |                 |                     |  |