

# 7<sup>th</sup> International Conference on Emerging Topics in Computing 2024 (iCETiC '24)

15<sup>th</sup> – 16<sup>th</sup> August, 2024

University of Essex, Southend-on-Sea Campus, UK

## iCETiC '24 Conference Programme

**Day 1: 15<sup>th</sup> August 2024, Thursday**

Fully Physical, Online Broadcast Link: <https://shorturl.at/0pnjc>

Time	Session	Session Details		
08:15-08:50	Registration et petit-déjeuner	Registration and Breakfast		
08:50-09:00	Opening & Intro to the Conference	Welcome address and presentation of conference statistics by the conference chairs - Professor Garfield Southall and Dr Maaruf Ali.		
09:00-10:00	Keynote Speech	Professor Sarah Morris, Professor of Digital Forensic Investigations, School of Electronics and Computer Science, University of Southampton, UK.		
10:00-11:00	Keynote Speech	Professor Raed Abd-Alhameed, Professor of Electromagnetic and Radio Frequency Engineering, University of Bradford, UK		
11:00-11:20	Tea/Coffee Break	Mid-morning Refreshment and Networking		
11:20- 13:00	Track-1a: AI, Expert Systems and Big Data Analytics, Session Chair: Zainab Alansari			
	Time	Paper ID	Presenting Author	Paper Title
	11:20-11:40	12	Gangmin Li	User Intention Generation with LLMs using Chain-of-Thought Prompting
	11:40-12:00	13	Mohammed W Ashour	Bitcoin Price Prediction (BTCPP) Framework Using Deep Learning Approach
	12:00-12:20	39	Salah K. Taha	Performance of Deep Neural Networks in Recognition of Sign Language
	12:20-12:40	47	Robert Whittey	Enhancing Audio Deepfake Detection: A Study of Deep Learning Parameters
	12:40-13:00	58	Maaruf Ali	Integrating Artificial Intelligence in English Language Classrooms: Enhancing English for Specific Purposes Education

# 7<sup>th</sup> International Conference on Emerging Topics in Computing 2024 (iCETiC '24)

15<sup>th</sup> – 16<sup>th</sup> August, 2024

University of Essex, Southend-on-Sea Campus, UK

13:00-14:00	Collation	Lunch Break		
14:00-15:00	Track-2a: Cloud, IoT and Distributed Computing, Session Chair: Garfield Southall			
	Time	Paper ID	Presenting Author	Paper Title
	14:00-14:20	15	Oghenetejiri Okporokpo	DDoS Cyberattacks in Smart Home IoT Networks and Common Mitigation Techniques
	14:20-14:40	43	Zainab Alansari	Enhancing Wireless Sensor Network Security: A Markov Chain-Based Trust Management Algorithm
	14:40-15:00	27	Shoaib Ahmed	Role of IoT for energy monitoring and energy management system in smart Renewable Energy Community: Concept, Need and Proposed Architecture
15:00–15:20	Tea/Coffee Break	Afternoon Refreshments and Networking		
15:20-17:00	Special Workshop: WIDA-USW Research, Facilitator: Garfield Southall			
	Time	Paper ID	Presenting Author	Paper Title
	15:20-16:50	N/A	Mastering the Basics of Wolfram Programming Language	
17:00-17:05	Day 1 Awards and Closing			
17:10-18:30	Excursion	Visit to Southend Pier		
19:00-20:30	Gala	Conference Dinner		

# 7<sup>th</sup> International Conference on Emerging Topics in Computing 2024 (iCETiC '24)

15<sup>th</sup> – 16<sup>th</sup> August, 2024

University of Essex, Southend-on-Sea Campus, UK

Day 2: 16<sup>th</sup> August 2023, Friday

Online Meeting Link: <https://shorturl.at/DiZCT>

Time	Session	Session Details		
08:00- 10:20	Track-1b: AI, Expert Systems and Big Data Analytics, Session Chair: Maaruf Ali			
	Time	Paper ID	Presenting Author	Paper Title
	08:00-08:20	4	Jia Uddin	Fine-tuning Pre-trained Convolutional Neural Network Deep Transfer Learning for Brain Tumor Classification using Magnetic Resonance Images
	08:20-08:40	5	Md. Monirul Islam	Convolutional neural network based offline handwritten text recognition using optimizer functions
	08:40-09:00	11	Thulani Mashaba	Advancing Predictive Maintenance Strategies through the Integration of Fourth Industrial Revolution (4IR) Technologies for Pressure Vessels and Pipelines in the Petrochemical Industry
	09:00-09:20	7	Md. Monirul Islam	Automated Lung Cancer Detection from Histopathological Image Using Deep Neural Networks
	09:20-09:40	14	Marella Shravana Shriya	A Comprehensive Review of AI in Fashion
	09:40-10:00	32	Sulaiman Aftan	A Survey of Natural Language Processing for Classifying Saudi Arabian Dialect Classification: Advancements, Opportunities, and Challenges
	10:00-10:20	41	Pradeep Chintale	A Deep Learning-Based Novel RNN-BiLSTM Architecture for Efficient Threat Detection in IoT Ecosystem
	Track-2b: Cloud, IoT and Distributed Computing, Session Chair: Mahabuba Mohuwa			
	Time	Paper ID	Presenting Author	Paper Title
10:20- 11:40	10:20-10:40	21	Jenjira Jaimunk	A Smart Home DataBank: A Privacy-Preserving Solution for Smart Homes
	10:40-11:00	51	Torikul Islam Badal	Design of an active CMOS low pass filter for IoT-RFIDdevices

# 7<sup>th</sup> International Conference on Emerging Topics in Computing 2024 (iCETiC '24)

15<sup>th</sup> – 16<sup>th</sup> August, 2024

University of Essex, Southend-on-Sea Campus, UK

	11:00-11:20	42	Pradeep Chintale	Block Chain Security in Cloud Computing based on Improved Rivest Shamir Adleman Encryption Algorithm using Encryption approach
	11:20-11:40	16	John Medellin	Efficiencies in Binary Blockchain Identity Validation
11:40-12:00	Awards & Closing	Declaration of Best Paper Awards and Closing Speech		

## Physical Venue:

Room # GB.2.13  
2<sup>nd</sup> floor  
Gateway Building  
University of Essex  
Southend Campus  
Southend, UK.

## Parking:

There are no parking facilities on site, although there are local car parks nearby. The closest is the car park opposite the University which is under South Essex College, payable by machine or an app <https://paybyphone.co.uk/>

## Online Meeting Link:

Day 1: <https://shorturl.at/Opnjc>

Day 2: <https://shorturl.at/DiZCT>