

EAI BDTA 2023 – Conference Programme

Note:

- All times in the program are in British Summer Time (BST) time zone.
- Participants are on their own for breakfast.
- **For remote attendees, please follow either way below to join the WebEx virtual meetings.**
 1. Access the WebEx meeting of the day by clicking on the **Meeting link** that will be sent to you via an email from the conference organisers on 22 August 2023

Or

 2. Access the WebEx meeting of the day by entering the Meeting number.
 - 1) Click on <https://signin.webex.com/join>
 - 2) Enter the **Meeting number** of the day, which can be found on the conference agenda below.
 - 3) Submit the respective **Meeting password** that will be sent to you via an email from the conference organisers on 22 August 2023.

Day 1 – 23rd August 2023 (WebEx Meeting number: 2671 529 9027)

8:45 – 9:45	Registration
9:45 - 10:00	Grant Opening
10:00- 11:00	<u>Keynote Speech 1 - Online</u> <i>Chair: Zhiyuan Tan</i> Title: Open World Deep Learning for Visual Understanding <i>Prof. Jungong Han (University of Sheffield)</i>
11:00 – 11:20	Coffee Break
11:20 – 12:30	Session 1 – Invited Paper/PhD Track/SECSOC-2023 <i>Session Chair:</i>
	Angular Knowledge Distillation: An Improved Distillation Approach for Incremental Learning (25 mins) <i>Li, Jianhua (Deakin University); Jiang, Frank (Deakin University); zhou, yang (Deakin University); Liu, Xiao (Deakin University); Zheng, Lihong (Charles Sturt University)</i>
	A Review of the Non-Fungible Tokens (NFT): Challenges and Opportunities (25 mins) <i>Abubakar, Mwrwan (Edinburgh Napier University); Gunathilake, Nilupulee (Edinburgh Napier University); Buchanan, William J. (Edinburgh Napier University); O'Reilly, Brian (TreeGreen Ltd)</i>
	An Auditable Framework for Evidence Sharing and Management using Smart Lockers and Distributed Technologies: Law Enforcement Use Case (20 mins) <i>Onyeashie, Belinda I (Edinburgh Napier University); Leimich, Petra (Edinburgh Napier University); McKeown, Sean (Edinburgh Napier University); Russell, Gordon (Edinburgh Napier University)</i>
12:30 – 13:30	Lunch
13:30 – 15:00	Session 2 – EAI BDTA 2023 <i>Session Chair: Kehinde Oluwatoyin Babaagba</i>

	<p>Forest Fire Prediction using Multi-Source Deep Learning (20 mins – Online) <i>Abdul Mutakabbir (Carleton University); Lung, Chung-Hong (Carleton University); Ajila, Samuel A. (Carleton University); Zaman, Marzia (Cistel Technology); Naik, Kshirasagar (University of Waterloo); Purcell, Richard (Dalhousie University); Sampalli, Srinivas (Dalhousie University)</i></p>
	<p>STLGCN: spatial-temporal Graph Convolutional Network for Long Term Traffic Forecasting (25 mins) <i>Chen, Xuewen (University of Chinese Academy of Sciences); Tang, Haina (The University of Chinese Academy of Science, China); Peng, Peng (University of Chinese Academy of Sciences)</i></p>
	<p>Unlocking Channel Opportunities: Enhancing Store-Level Performance through Predictive Modelling (20 mins – Online) <i>Mirajgave, Yogesh (Microsoft R&D); Nair, Aswin (Microsoft R&D)</i></p>
	<p>CTL-I: Infrared Few-shot Learning via Omnidirectional Compatible Class-Incremental (25 mins) <i>Yang, Biwen (Beijing Institute of Technology); Zhang, Ruiheng (Beijing Institute of Technology); Liu, Yumeng (Chinese Academy of Sciences); Liu, Guanyu (Beijing Institute of Technology); Cao, Zhe (Beijing Institute of Technology); Yang, Zhidong (Beijing Institute of Technology); Yu, Heng (Beijing Institute of Technology)</i></p>
15:00 – 15:20	Coffee Break
15:20 – 16:55	<p>Session 3 - EAI BDTA 2023 <i>Session Chair: Belinda Onyeashie</i></p>
	<p>Image Forgery Detection using Cryptography and Deep Learning (25 mins) <i>Oke, Ayodeji (Edinburgh Napier University); Babaagba, Kehinde (Edinburgh Napier University)</i></p>
	<p>Revocable Attribute-based Encryption Scheme with Cryptographic Reverse Firewalls (25 mins) <i>Ke, Xingyu (University of Electronic Science and Technology of China); Zhao, Yang (University of Electronic Science and Technology of China); Pang, Yu-Wei (University of Electronic Science and Technology of China); Xiong, Hu (University of Electronic Science and Technology of China); Zhu, Guo-Bin (University of Electronic Science and Technology of China); Yeh, Kuo-Hui (National Dong Hwa University)</i></p>
	<p>IoT Attacks Countermeasures: Systematic Review and Future Research Direction (25 mins) <i>Ibibo, Joshua Teddy (Edinburgh Napier University)</i></p>
	<p>Research on Preprocessing process for Improved image generation based on Contrast Enhancement (20 mins) <i>Wang, Tae-su (Dong-eui University); Kim, Minyoung (Dong-eui University); Roland, Cubahiro (Dong Eui University); Jang, Jongwook (Dong-eui University)</i></p>
18:15 – 20:15	Conference Dinner @ Miller & Carter Edinburgh City Centre

Day 2 – 24th August 2023 ([WebEx Meeting number: 2670 644 7097](#))

9:00 – 9:30	Registration
9:30 - 10:30	Keynote Speech 2 <i>Chair: Zhiyuan Tan</i> Title: Emerging challenges and solutions in data and privacy protection <i>Prof. Huiyu Zhou (University of Leicester)</i>
10:30 – 10:50	Coffee Break
10:50 - 12:15	Session 4 - EAI BDTA 2023 <i>Session Chair: Joshua Ibibo</i> A Bibliometric Analysis and Systematic Review of a Blockchain-Based Chain of Custody for Digital Evidence (25 mins) <i>Onyeashie, Belinda I (Edinburgh Napier University); Leimich, Petra (Edinburgh Napier University); McKeown, Sean (Edinburgh Napier University); Russell, Gordon (Edinburgh Napier University)</i> BigText-QA: Question Answering over a Large-Scale Hybrid Knowledge Graph (25 mins) <i>Xu, Jingjing (University of Luxembourg); Biryukov, Maria (University of Luxembourg); Theobald, Martin (University of Luxembourg); Ellampallil Venugopal, Vinu (International Institute of Information Technology (IIIT))</i> Can Federated Learning Models be Rectified through Learning Negative Gradients? (25 mins) <i>Tahir, Ahsen (Edinburgh Napier University); Tan, Zhiyuan (Edinburgh Napier University); Babaagba, Kehinde O. (Edinburgh Napier University)</i>
12:15 – 13:15	Lunch & Closing Ceremony
13:15 – 15:00	Post Conference Networking

Conference Venue:

Classroom 3/03
Craiglockhart Campus
Edinburgh Napier University
219 Colinton Rd
Edinburgh
EH14 1DJ



Google Maps:

<https://goo.gl/maps/p6j9QTrEH3iipEF17>

Getting to Craiglockhart campus

Our Craiglockhart campus is well-served by public transport to and from the centre of the city. In addition, there are numerous cycle paths in the area and bike storage facilities on site.

By bus

Several [Lothian Buses](#) services from the city centre stop close to the campus:

- Services 4, 10, 27 and 45 stop on nearby Colinton Road at bus stop “Craiglockhart Campus”
- Service 36 stops nearby at bus stop on Glenlockhart Road at bus stop “Craiglockhart Campus”.

Edinburgh boasts a very efficient network of environmentally friendly buses that will take you all across the city and out to the suburbs. All our campuses are served by Lothian Buses offers for a flat-rate fare throughout the city, making getting to university cheap and easy. What’s more, full-time students are also eligible for a Student Ridacard offering discounted travel.

While there is no direct bus service from Edinburgh Airport to the campus, you can easily take Service 100 from the airport (Stance D) to Haymarket Station, walk one minute to Dalry Place, and take Service 4 to “Craiglockhart Campus”.

A [Transport for Edinburgh app](#) is available free for smartphones and offers live bus information and electronic ticketing.

By train

Slateford station is just under a mile from the campus, while Edinburgh Waverley and Haymarket stations are situated in the city centre. From Edinburgh Waverley, take a Lothian Buses 4 or 10 from Princes Street or a 45 from North Bridge; from Haymarket, take a Lothian Buses 4 from Dalry Road.

Timetables and further information on rail services can be found through [National Rail Enquires](#).

By bike

Edinburgh is home to an expanding network of cycle paths and covered and secure bike storage as well as shower facilities are available at the campus. The [City of Edinburgh Council](#) publishes useful information on planning cycle routes within the city.

By car

The campus is situated in a residential area to the south-west of the city. Please note that on-campus parking is strictly by permit only, with limited on-street parking available in the surrounding area.

Disabled access guide

For a detailed access guide to our Craiglockhart campus, please visit [here](#).

Conference Dinner

Every registration for the EAI BDTA 2023 conference comes with a ticket for the conference dinner, which includes **one Main Course** and **one Beverage** from the menu for a **total cost of no more than £25**.

- **Date and Time:** 23rd August 2023 at 6:16PM
- **Restaurant:** Miller & Carter Edinburgh City Centre
- **Address:** 29-31 Frederick St, Edinburgh EH2 2ND
- **Website:** <https://rb.gy/f0hlh>
- **Google Maps:** <https://goo.gl/maps/zikfwP3bFzHhkVC77>

