

## **ICGEC-2023-IS04**

### **Call for Papers**

#### **Invited Session on Drone Applications based on Deep Learning**

**Organizers:** Prof. Chao-Yang Lee

Recently, advanced deep learning technologies have provided the opportunity for new drone applications, such as surveillance, search and rescue, remote sensing, air pollution monitoring, precision agriculture, and aerial base stations. However, artificial intelligence-based methods are data-hungry and require a certain amount of meaningful available data to generate useful results. Therefore, the goal of this session is to bring together researchers interested in Drone Applications based on Deep Learning. Submissions of high-quality papers describing mature results or on-going work are invited. Topics of interest include, but are not limited to:

**Topics of interest include but are not limited to the following:**

1. Artificial intelligence in drones
2. Deep learning in drones
3. Reinforcement learning in drones
4. Artificial-intelligence-based flight and exploration of drones
5. Artificial-intelligence-based wireless communication for drones
6. Artificial-intelligence-based applications in drones

#### **Submissions:**

Papers should follow the template on the conference website and be submitted via email to Prof. Chao-Yang Lee at [chaoyang@yuntech.edu.tw](mailto:chaoyang@yuntech.edu.tw).

#### **Important Dates:**

Paper submission deadline: **July 15, 2023**

Acceptance notification: **August 15, 2023**

Camera-ready copy and registration: **September 1, 2023**

**For more information please contact:**

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