

SEMINAR ANNOUNCEMENT

DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING
COLLEGE OF DESIGN AND ENGINEERING

Website: <https://cde.nus.edu.sg/ece>

Area: Control, Intelligent Systems & Robotics (CISR)

Host: Asst Prof Zhao Lin

TOPIC	:	Indoor Vision-Language Navigation for Autonomous Drone
SPEAKER	:	Mr Guo Shao Graduate Student, ECE Dept, NUS
DATE	:	Wednesday, 12 November 2025
TIME	:	10:00AM-11:00AM
VENUE	:	Join Zoom Meeting https://nus-sg.zoom.us/j/83146249984?pwd=AFMJpbApyWYcv0ixLmpUJxU3Be3DCx.1 Meeting ID: 831 4624 9984 Passcode: 826519
ABSTRACT		
This talk introduces an indoor 3D Vision-Language Navigation framework for autonomous drones. We present a custom 3D-VLN dataset built in Habitat, a VLM fine-tuning pipeline, and a curriculum learning strategy for end-to-end navigation task. The work highlights progress toward indoor drone navigation guided by natural language.		
BIOGRAPHY		
Guo Shao is a graduate student working on MLLM-based navigation for autonomous drone.		

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