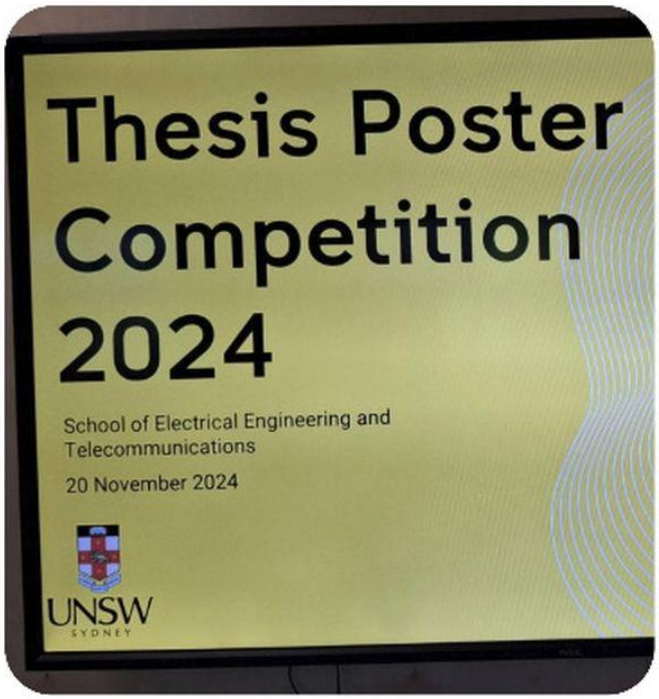
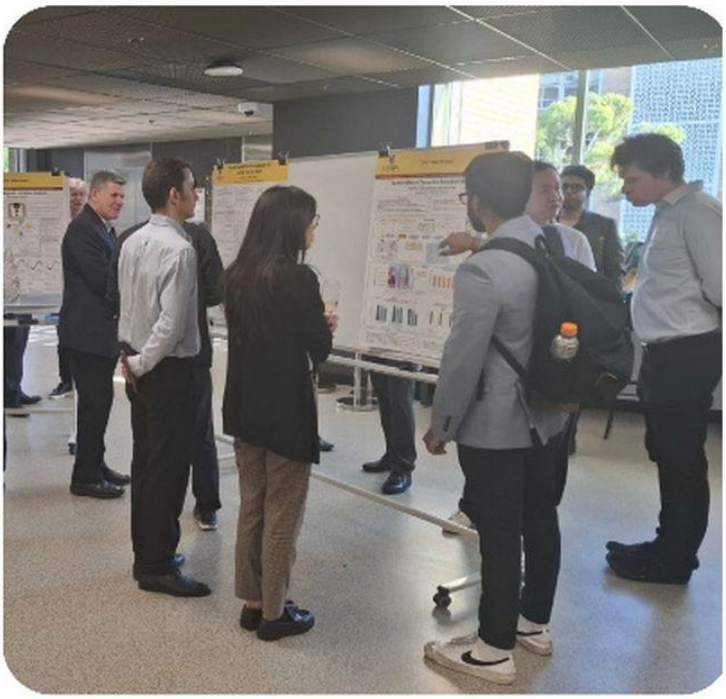
POSTED to EE&T ALUMNI
24 NOVEMBER 2024





Sections: Thesis Poster Competition -- Winners -- Visitor Variety -- Poster Titles

It was held in ElecEng from 4:30 - 6:30 pm on the First Floor instead of the usual 6:30 - 8:30 pm. Last Wednesday, 20th November 2024. My first visit to this yearly event.

There were 17 selected posters with their undergraduates to explain and answer questions. The mingling crowd had judges with QR codes to score each poster.

== WINNERS ==

1st - Shaun Braggs
Software platform for neural signal analysis in a high throughput brain machine interface
Supervisor: Dr. David Tsai

2nd - Tim Gong
Single Satellite Navigation at Lunar North Pole
Supervisor: Prof Andrew Dempster

3rd - Penelope Jurd
LSI Implementation of an MRC delay-time detector for Orthogonal Time Frequency Space (OTFS)
Supervisor: Dr. Mohammad Rowshan

- Thank you Prof. Jinhong Yuan for the details.

== VISITOR VARIETY ==

- Alumni Advisory Ctee - Shakthi Saravanan
- Emeritus Professor - Branco Celler

- Graduates - Thomas Cooney (2012), Angus Keatinge (2012), Brett Swanson (1985)
- Industry Advisory Board - Brett Swanson

- School Heads - Prof. Jinhong Yuan (2024+), Toan Phung (Deputy), Prof. Ambikairajah (2000-2018)

== POSTER TITLES ==

Characterising Hybrid Superconducting Semiconducting Devices
--> Sanjana Mahesh

Collaborative surface with high resolution back imaging
--> Jingchao Xiao

Control of Magnetic Levitation Systems
--> Alexander Mead

Convolutional Neural Networks based on Prediction of the Atrial Fibrillation
--> Ethan Simpson

Covert Attacks on Networked Control Systems
--> Lachlan Gilroy

Developing a Quantum Hall Effect Lab for Undergraduate Students
--> Pavitraa Hathi

Effect of Measurement Error Mitigation on Improving the Fidelity of Concatenated Quantum Routers
--> Allen Amin

Improving Non-Invasive Blood Pressure Measurement
--> Raisa Rudino

Low-noise transimpedance amplifier for optrode interfacing
--> Liang Qiao

Quantum Dots
--> Tony Youn, Jarryd Pla, Tim Botzem, Fay E. Hudson, Chris C. Escott

Quantum Error Mitigation on Noisy Devices
--> Ashvin Bijoy Mangadath

QEC Simulation for SMART SiMOS spin qubits
--> Nelson E. McKenna

Single Satellite Navigation at Lunar North Pole
--> Tim Gong

Small Signal Modelling for high bandwidth Buck-converter
--> Yuxin Yang

Speech Based Dementia Detection Models
--> Gobishan Jeyakumar

Software platform for neural signal analysis in a high throughput brain machine interface
--> Shaun Brandon Braggs

VLSI Implementation of an MRC delay-time detector for Orthogonal Time Frequency Space (OTFS)
--> Penelope Jurd

// Posted to EEnT Alumni (LI), Elsoc-Alumni (FB) and own LI space
// 24 NOV 2024
// Ctee: Kaveh Fanian MAICD, Luke Welfare, Edmund Li, Shakthi Nathan Saravanan, Vijay Srihari
// Previous Ctee: Gagan Singh Khosla, Somansh Agrawal, Simon Buchwald, Matthew Rowe
// Heads: Dean Julien Epps; EEnT Prof. Jinhong Yuan