

# THESIS POSTER COMPETITION

RESULTS 2025



Sections: --- Community Posts --- Winners --- Attendees --- Other Titles ---

## == INTRODUCTION ==

From last Wednesday's thesis poster competition, the emotional WiFi signals were strong with some invitees. It was their line of work. I won't mention Matt Brown or Tom Zhang as I may give them away.

Prof. Jinhong Yuan said, "this is the first time the scores were within two decimal places" - third place.

## == COMMUNITY POSTS ==

a) First-phase with 200 candidates:

<https://www.linkedin.com/feed/update/urn:li:activity:7399614267500720128/>

b) Results & group photos: students (right), judges & invitees (left):

<https://www.linkedin.com/feed/update/urn:li:activity:7399963499336101888/>

## == WINNERS ==

1st - Patrick Adjii - - - top right

"Compact RF Interface for Smart Sleep Apnoea Mouthguard" -- Supervisor (Nigel Lovell, Tom Kulaga)

2nd - Leon Weatherhead - - - middle right

"Improving Radio Frequency Power Amplifier Efficiency in 5G Applications" -- Supervisor (A/Prof. Torsten Lehmann)

3rd - - - bottom right

a) Nicholas Damaso

"Data Reduction Circuit Design for a Brain Machine Interface" -- Supervisor (Dr. David Tsai)

b) Sarah Kruskic

"Engineering High-Speed Antimony Flip-Flop Qubits through Electrical Modulation of the Hyperfine Interaction" -- Supervisor (Prof. Andrew Morello)

c) Zac Petersen

"Graph Signal Processing" -- Supervisor (Prof. Victor Solo)

## == ATTENDEES ==

Staff (recognised):

- Aaron Michaels
- Aarash Khatamianfar
- Elizabeth Gurung Tamang
- Jinhong Yuan
- Toan Phung

Judges:

- Julia Sokolova
- Matt Brown
- Mike Hirst
- My-Linh Nguyen
- Neelan Koorvarjee
- Neville Wang
- Robert Smith
- Thomas Cooney
- Tom Zhang
- Wendy Chen

== OTHER TITLES ==

"Alternative PLLs for Existing CPFSL"  
Calum Gaynor

"Application of Model Predictive Control to Improve Virtual Oscillator Performance in Grid Forming Inverters"  
Daniel Hart

"Controller-Hardware-in-the-Loop Testing of Inverter-Based Resources Within the Australian National Electricity Market"  
Christopher Cullen

"Design of a Rubidium SERF Maser Oscillator"  
Antony Radman

"Dynamic Assessment of Primary Frequency Response Reserves in Thermal Power Plants"  
Jasmin Gage

"Dynamic Wireless Charging"  
Lachlan Cook

"Fault Detection with EV Chargers"  
Caton Peng

"Metasurface Absorbers for Broadband Radar Cross-Section Reduction"  
Will Hinds

"Mitigation of Doppler Effect in Underwater Acoustic Communication"  
Hank Liu

"One-Shot Learning Framework for Automated Detection of Endangered Australian Avian Species"  
Arnu Matthews

"Wavelet-based Feature Extraction for Medical Image Classification"  
Abhi Singh

"?"  
Mandi Shi

// Posted to EEnT Alumni (LI), Elsoc-Alumni (FB) and own LI space  
// 30 NOV 2025  
// @Klara// Ctee: @Kaveh, @Luke, @Edmund, @Shakthi, @Vijay  
// Prv Ctee: @GaganSK, @SomanshA, @SimonB, @MatthewR  
// Heads: Dean @JulienE; EEnT Prof. @JinhongY; School Mgr @ElizabethGT

## == COMMENTS ==

== 7-day View Alumni Response - - 07 DEC so far

Not including the 'untouchable' profiles.

LI (EE&T Alumni)

- a) Views = ...
- b) Emojis = ...
- c) People = ...

LI (Own)

- a) Views = ...
- b) Emojis = ...
- c) People =  
{  
...  
}

FB (ElsocAlm)

- a) Views = not visible by FB
- b) Emojis = ...
- c) People = ...  
{  
...  
}