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The Technology Translator Squad

STARTING JULY 2024



Sections: -- Recent Email -- Fields (Design / Development) -- Benefits

Just a quick note from UNSW ElecEng's Technology Initiative squad.

== RECENT EMAIL ==

Hi Robert,

The UNSW Technology Translation Squad (TTS) has successfully recruited two Electrical Engineering Technology Translators to start working on projects from July 2024.

The team will provide up to five free-days of consultation support for start-ups, SMEs and industry players to solve Electrical Engineering technical challenges that these companies may encounter.

Cheers,
Matt

// Dr Matthew Priestley at m.priestley@unsw.edu.au.

== FIELDS (DESIGN / DEVELOPMENT) ==

Excerpt from Flyer:

This role promises to offer variety and diverse range of electrical engineering skills. Typical activity may include:

- Power system design
- Simulation and modelling of electrical equipment/systems
- Root cause analysis work for electrical system faults

- Hydrogen electrolyser and fuel cell electrical system design
- Electric motor design
- Electric motor drive system design and programming

- Battery energy storage system design
- Sourcing suppliers for electrical equipment
- Electronics and hardware design

- SLD and schematic creation
- Using test and measurement devices
- Protection system design

- Communication network design for power systems
- Renewable energy system design (PV and wind)
- Power converter system design

- Power distribution network and generation design
- Decarbonising or electrifying applications
- PLC programming

== BENEFITS ==

Excerpt from Flyer:

This role may allow Technology Translator Squad members to work on high impact activities in their spare time. This could allow members to pursue the following activities:

- Conducting personal electrical engineering research
- Working on large high impact UNSW research projects
- Developing high impact microcredential and short courses

- Attempting to commercialize UNSW technology via a start-up company
- Educating the public via the media on important electrical engineering issues
- Lecturing and educating UNSW students

// Posted on Elsoc Alumni (FB) and EEnT Alumni (LI) – 26 MAY 2024
// Ctee: @Kaveh, @Luke, @Edmund, @Shakthi, @Vijay
// Prev Ctee: @GaganSK, @SomanshA, @SimonB, @MatthewR
// Heads: Dean @JulienE; Prof, JinhongY