WOMEN IN FLEET FELLOWSHIP

The ARC Centre of Excellence in Future Low-Energy Electronics Technologies (FLEET) is seeking to appoint an outstanding early career female candidate as a Women in FLEET Research Fellow to perform research at one of the FLEET nodes as determined by the candidate's expertise and research aspirations.

The appointment is for up to three years (at a full-time load), with part-time arrangements negotiable upon request. The level of appointment will be commensurate with the research experience and performance standards for academic Levels A/B. Candidates within 5 years of the conferral date of their PhD or equivalent research higher degree are eligible to apply. The the eligibility period may be extended to take into account career interruptions.

The ARC Centre of Excellence FLEET aims to reduce the energy used by electronics by developing novel devices based on topological materials, exciton/exciton-polariton condensates, and non-equilibrium topological and superfluid phenomena. The FLEET research program spans theory and experiment, science and engineering, and uses various platforms ranging from ultra-cold atoms to atomically thin materials.

An important part of FLEET's mission is to create and maintain an inclusive working environment that resolves the conflict of research and family life. In particular, FLEET offers women-specific mentoring programs and other career support initiatives for women scientists to create a gender equity at the workplace and retain female scientists. FLEET supports family-friendly and flexible work arrangements, including part-time employment options, to focus on outputs rather than physical attendance.

WiF FELLOW (Female Only, Identified Position)

Classification:	Academic Level A or B
Salary Package:	Level A plus 17% superannuation
	Level B plus 17% superannuation
Terms:	3 years appointment (at full-time load)

ARC Centre of Excellence for Future Low-Energy Electronics Technologies (FLEET) is an international innovator in novel electronics technologies. Enabled by the new science of atomically thin materials, FLEET brings together over 40 world-leading experts to develop a new generation of ultra-low power devices. Headquartered at Monash University, the FLEET network will comprise 19 chief investigators at seven Australian institutions, 19 partner investigators at 16 institutions worldwide, and over 100 HDR students and postdoctoral fellows. The team is highly interdisciplinary with high-profile researchers from atomic physics, condensed matter physics, materials science, electronics, nanofabrication and atomically thin materials.

With over $40M investment from the Australian Research Council (ARC) and contributing organisations, FLEET is poised to make significant global impact in the electronics and energy sectors. By building strategic and strong partnerships with Australian and international industry, research institutions and government, FLEET aims to build capacity for advanced electronics research in Australia and train the workforce for the next generation of electronic materials researchers and future semiconductor industry. To learn more about FLEET, please visit our website: fleet.org.au.

At FLEET, we are committed to gender equity. Our goal is to achieve at least 30% women researchers and higher degree by research (HDR) students across FLEET. Please visit fleet.org.au/equity to learn more.

We are also passionate about building future leaders in the field. All of our early career researchers and HDR students will take part in a comprehensive training program incorporating excellent supervision and professional development. To learn more about benefits of working with us, please visit fleet.org.au/collaborate.

Position Overview

The Fellowship is for early-career academics with research interests that align with one or more of the existing research and/or enabling technology themes of the Centre of Excellence FLEET.

For information about the FLEET research themes, please visit fleet.org.au/innovate. The level of this appointment, Academic Level A or B, will be determined by the candidate's current research and teaching experience.

The Fellowship will enable the candidates to pursue their research-focused career in physics or material science at one of the FLEET nodes:

- o Monash University
- o University of Queensland
- o UNSW
- o ANU
- o Swinburne University of Technology

Applicants are expected to have an outstanding track record relative to opportunity and commensurate with the level of their application.

Application information

In order to apply for this Fellowship, please upload the following documents:

- o A cover letter
- o A statement addressing the selection criteria
- o A current CV, including the names of three referees

For more information, please contact Dr. Tich-Lam Nguyen, FLEET Chief Operating Officer at:

tich-lam.nguyen@monash.edu

Tel: +61 3 9905 9278

For further information about FLEET, please visit: fleet.org.au

Position Description

Institution: FLEET Node

Title: Women in FLEET (WiF) Fellow

Classification: Academic Level A/B

Responsible to: FLEET Node Director

Role Statement:

Working closely with and under supervision of one or more FLEET Chief Investigators, the WiF Fellow will:

1. Perform outstanding and original, experimental or theoretical research, aligned with one or more of the FLEET research themes:
   o Topological materials,
   o Excitonic superfluids, including indirect excitons and exciton-polariton BECs,
   o Light-transformed materials, including ultracold atoms and optically switched semiconductors, and
   o Synthesis and nanofabrication of atomically thin materials and heterostructures in support of the above themes.

2. Closely interact with the members of the hosting FLEET node and actively contribute to collaboration with other FLEET institutions and partner investigators;

3. Prepare results for publication and demonstrate excellence through publishing in high-quality research journals;

4. Participate in and present at national and international scientific meetings;

5. Participate in advising graduate and undergraduate research students;

6. Undertake other academic responsibilities and administration tasks as allocated by the FLEET Node Director, e.g. participate in the FLEET special governance committees in the areas of outreach, education and training, communications, equity and diversity, or industry engagement.

7. Contribute at least 20 hours per annum to outreach activities.

8. Comply with all FLEET policies and procedures, and in particular those relating to equity and diversity.

Selection Criteria

1. A PhD in physics, material science or related field.

2. Demonstrated potential to engage in research relevant to the strategic needs of the area.

3. Developing or established track record of independent, original research evidenced by publications in peer-reviewed journals and conference presentations.

4. A track record of developing and maintaining collaborations within and across research institutions.

5. Commitment to research supervision at the undergraduate and postgraduate levels.

6. Demonstrated ability to attract external funding and fellowships is highly desirable.

7. Commitment to science communication and outreach activities.

8. Ability to communicate clearly with the capacity to work as a member of a diverse and inclusive team.

9. Demonstrated understanding of equal opportunity principles and policies and a commitment to their application in a university context.