



FLEET

ARC CENTRE OF EXCELLENCE IN
FUTURE LOW-ENERGY
ELECTRONICS TECHNOLOGIES



MONASH
University

FLEET Strategic Research Seed Funding Program

Description of the program

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FLEET intends to make available up to \$300k per year during calendar years 2020 and 2021 to fund new research initiatives. The goals of this funding are to:

- bring new research ideas into FLEET which may enhance existing Themes or seed new Themes that contribute to FLEET's mission to develop low-energy electronics;
- bring new investigators into FLEET, or involve existing Associate and/or Partner Investigators more closely with FLEET; and
- improve the diversity of FLEET's network. **Priority will be given to proposals which bring into FLEET's network (as AIs, PIs, research fellows, or HDR students) members of groups under-represented in STEM research, including but not limited to women, Indigenous Australians, people of diverse genders and people with disabilities.**

Investigators

Proposals will be accepted from research teams. Each team of investigators:

- must be led by an existing AI in FLEET, a FLEET Fellow, or new FLEET AI, who may be any researcher at an ARC Eligible Organisation in Australia, to be appointed upon success of the proposal.
- must include at least one CI in FLEET.
- may include additional investigators, who may be FLEET researchers and partners, additional researchers at Eligible Organisations, or additional partners at existing FLEET partner organisations or other Australian or international organisations who could become associate investigators or partner investigators in FLEET.

Funding amount and period

Proposals will be accepted for research programs of duration one to two years, with period of performance in calendar years 2020 and 2021. The maximum award amount is \$50k per year (\$100k total), with a total of approximately 6 awards made.

The proposed support from FLEET for the research project will come in the form of expenditures by FLEET at a FLEET node on personnel (e.g., stipends for HDR students), travel, and/or research consumables. Major equipment (>\$10k) cannot be supported. Travel support for AIs, including those not at FLEET nodes, is allowable and encouraged where appropriate to accomplish the project.

Personnel must be employed at a FLEET node but could be seconded to another eligible organization or partner organization as part of the project.

Proposers are encouraged to identify additional sources of cash or in-kind support for their programs, including but not limited to funding from individual CI research accounts within FLEET, contributions from FLEET nodes and partners, contributions from other eligible organisations, and contributions from other partner organisations.



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Proposals

Proposals are limited to two pages, and should include:

- a summary of the research to be undertaken;
- the relation of the research to existing areas within FLEET;
- the potential for growth of the research area within FLEET or as part of a new centre to be proposed in CE23, including potential for additional personnel;
- a list of investigators and their expertise and roles in the project; and
- a summary budget which indicates how funds are to be spent (example below).

	Seed Funding	Other Cash	Other inkind
Personnel			
Equipment <\$10k			
Lab Consumables			
Travel			
TOTALS			

Proposals will be selected by FLEET's Executive Committee, with priority given to proposals which help FLEET achieve the goals stated above.

Selection Process

A selection committee will be chosen by the FLEET Executive Committee to review the proposals and rank them according to how will they address the following criteria:

- Research program. Does the proposed research program have a high probability of high-impact result during the period of performance?
- Synergy with FLEET. Is the proposed research program aligned to FLEET's mission to develop low-energy electronics, without duplicating existing efforts in FLEET? Does the project involve inter-node collaboration, or have the potential to develop into a larger collaborative effort within FLEET?
- Diversity. Does the proposal bring into FLEET's network (as AIs, PIs, research fellows, or HDR students) members of groups under-represented in STEM research, including women, Indigenous Australians, people of diverse genders and people with disabilities?
- Value for money in accomplishing the goals of this program.

Selection committee members who are participants in a particular proposal will recuse themselves from ranking that proposal.

Reporting Requirement

A report is required upon completion of the project, to include:

- Project objectives
- Project milestones and deliverables
- Highlights and achievements
- List of publications and presentations

Due 15 January 2021 for one year projects and 15 January 2022 for two-year projects.



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About FLEET

FLEET, the Australian Research Council Centre of Excellence in Future Low-Energy Electronics Technology, is a collaboration of more than 100 researchers at seven Australian universities and 18 Australian and international science organisations.

Bringing together the world's leading minds in engineering and physics, FLEET is driving innovation in topological materials and atomically-thin, 'two-dimensional' (2D) materials to create ultra-low energy electronics that achieve zero, or near-zero, wasted dissipation of energy.

For more information, visit FLEET.org.au.