

Research Fellow x 2 (Nanofabrication and Materials), ARC Centre of Excellence, TMOS

Job no: 590768

Work type: Full time - Fixed term/Contract

Categories: Engineering, Research, Science, Technology

- Be part of collaborative research with the ARC Centre of Excellence for Transformative Meta-Optical Systems (TMOS)
- Fixed-Term position for 3 years starting January 2021 (flexible), based at RMIT's CBD campus
- Academic level B (AU \$98,495 - \$116,965 p.a) plus 17% super and great benefits
- Accepting only women, gender diverse and/or Aboriginal & Torres Strait Islander people(s).*

Our Organisation

RMIT is a multi-sector university of technology, design and enterprise with more than 91,000 students and 11,000 staff globally. RMIT offers postgraduate, undergraduate, vocational education and online programs to provide students with a variety of work-relevant pathways.

The College of Science, Engineering and Health comprises four Schools delivering a broad range of programs in science, engineering, health and technology at apprenticeship, certificate, bachelor, masters and PhD levels.

The ARC Centre of Excellence for Transformative Meta-Optical Systems (TMOS) brings together five Australian and 13 leading international universities as well as Australian and global companies to create entirely new optics-based technologies with enormous market potential. The Centre has received \$34.9 million funding from the Australian Research Council to operate from 2020-2027.

TMOS will develop the next-generation of miniaturised optical systems with functionalities beyond what is conceivable today. By harnessing the ground-breaking concept of meta-optics, the Centre will overcome complex challenges in light generation, manipulation and detection at the nanoscale. The Centre brings together a trans-disciplinary team of world-leaders in science, technology and engineering to deliver scientific innovations in optical systems for the Fourth Industrial Revolution.

TMOS at RMIT researchers will utilise state of the art fabrication facilities including at the Micro Nano Research Facility. They will be part of the vibrant and multi-award winning Functional Materials and Microsystems research group.

The Role and Your Responsibilities

The Research Fellows x2 will be a part of the RMIT node of the ARC Centre of Excellence for Transformative Meta-Optical Systems (TMOS). The Research Fellows will be expected to undertake research activities in line with the Centre's strategy. The position will involve a combination of independent and collaborative research which has a significant impact in the area of nano-optical devices and applied technologies.

The Research Fellow's role is primarily to plan, develop and engage in high quality research projects that are aligned with the objectives of the ARC Centre of Excellence for TMOS. They will also contribute to ongoing related research projects and in postgraduate research training.

Your Skills & Experience

The ideal candidate will have an emerging track record and recognition for quality research outputs evidenced by publications and development of new research initiatives and industry links.

For the role as **Research Fellow – Nanofabrication**, you will have experience in nanofabrication (particularly electron

beam lithography), microfabrication, thin film processing, and materials characterisation.

For the **Research Fellow – Materials**, you will be experienced with thin film deposition of oxides and chalcogenides (particularly sputtering), microfabrication, materials characterisation and in polymer based fabrication processes.

Key to this role will be your ability to grow networks and build research collaborations.

Your Qualifications

Required: PhD or equivalent in relevant field.

Appointment to this position is subject to passing a Working with Children check.

*Special Measures

RMIT is committed in driving progression towards gender equality and ensuring the diversity in our organisation is balanced at every level.

We're proud members of the Science in Australia Gender Equity (SAGE) Athena SWAN Program to support gender equity and diversity in the Science, Technology, Engineering, Mathematics and Medicine (STEMM) disciplines, and its Bronze Medal recipient.

Section 12 of the Victorian Equal Opportunity Act permits the University to conduct female only recruitment in addressing the substantive imbalance of female representation in Science, Engineering and Business, IT and Logistics schools. The Racial Discrimination Act permits special measures that foster greater racial equality in the Australian community.

RMIT's School of Engineering will therefore **only consider applications from suitably qualified women, gender diverse or Indigenous candidates for this position.**

To Apply

To apply please click below which will take you directly to our careers page. There you can submit your resume, optional cover letter and address to the key selection criteria as outlined in the Position Description (as a separate document). **Please select from the drop down in the application form to indicate which role you are applying for (Nanofabrication or Materials or both)**

For further information about the role please reach out to Professor Madhu Bhaskaran via email madhu.bhaskaran@rmit.edu.au or via phone (03) 9925 0441

Applications close 11:55pm Sunday 1 November 2020

We are happy to make adjustments to the recruitment process for your accessibility requirements if required. Please contact us via your preferred type of communication: email TalentSupport@rmit.edu.au with your specific request(s).

Please note, that due to the impacts of COVID-19 we are currently prioritising applications from those with current working rights in Australia and who are not affected by travel restrictions. Please see the latest updates to Australia's immigration and border arrangements during the COVID-19 (Coronavirus) outbreak: <https://covid19.homeaffairs.gov.au/>

RMIT is an equal opportunity employer committed to being a child safe organisation. We are dedicated to attracting, retaining and developing our people regardless of gender identity, ethnicity, sexual orientation, disability and age.

**CLICK FOR FURTHER
INFORMATION ABOUT THIS
POSITION AND A LINK TO APPLY**