Researcher

Ecole/Institution/Société:
Australian National University, **Australia / Canberra**

Discipline:
Engineering Education

Type d'emploi::
Full-time

Date de publication:
2025-02-23

Personne à contacter:
If you wish to apply for this position, please specify that you saw it on AKATECH.tech

Research Fellow, School of Engineering

Employer

AUSTRALIAN NATIONAL UNIVERSITY (ANU)

Location

Canberra, Australia

Salary

$115,739 - $131,227 per annum plus 17% superannuation

Classification: Academic Level B

Salary package: $115,739 - $131,227 per annum plus 17% superannuation

Term: Full time, Fixed Term (up to 2 years)

Join us in developing ready-to-use satellite communication techniques and systems:

Design and develop novel signal processing algorithms and communication strategies for satellite systems, acquiring essential industry capabilities and skills.

Collaborate with esteemed research and industry scientists in communications and signal processing to drive innovation and advancement.

Competitive remuneration, 17% super, salary packing and leave loading.

About the opportunity

This position is a fixed term for a period of 2 years appointment to contribute to an industry-collaborative project focusing on the design of compressive sensing direction-of-arrival algorithms in satellite communications.

Applications are particularly invited from researchers who undertake high impact collaborative and cross-disciplinary research, and whose expertise contributes to the Information and Signal Processing cluster at the ANU School of Engineering.

About the College

The ANU by 2025 Strategic Plan calls for the University to serve society through transformational research and education. As one of the great universities of the world, ANU is driven by a culture of excellence in everything we do. Our lived experience is increasingly one of large-scale systems of people, whose actions and interactions are influenced by our digital, physical and biological environment. The ANU College of Systems and Society (CSS) hosts three of the key disciplines necessary to help us design, build, regulate and secure the future.

CSS brings together expertise in social, technical, computational, ecological and scientific systems to build a new approach to systems design and build new national capabilities in data-driven policy and business development. The work we do in the College directly supports one of the four pillars of ANU by 2025: to strengthen our national mission and meet our unique responsibilities as Australia’s national university. We will deliver on our mission by building a strong community, providing transformative educational experiences, conducting high-impact research, seeking meaningful engagement, and becoming a resilient organisation post COVID-19.

We welcome and openly acknowledge differences in expertise, research / education / professional focus, experience and perspective.

CSS is a vibrant and diverse community of more than three thousand students, staff, and visitors. Our College comprises six Academic Organisational Units: The School of Computing, School of Cybernetics, School of Engineering, Fenner School of Environment and Society, Mathematical Sciences Institute, and Centre for Public Awareness of Science, supported by the Professional Services Group.

The School of Engineering brings together a diverse and welcoming community that is motivated to

seek “wicked problems”. We connect divergent thinkers, to explore and pose solutions, that cross the traditional interdisciplinary and global boundaries. We have evolved from our foundational strength in systems thinking, reaching beyond traditional engineering fields. This systems approach embraces our core strengths and is shaped around five focus areas: Aerospace Engineering, Energy Engineering, Environmental Engineering, Information and Signal Processing, and Mechatronics. Join us in our fundamental quest of discovery and passionate pursuit of knowledge that goes beyond our lived world.

For further information please contact Professor Nan Yang, E: nan.yang@anu.edu.au, T: +612 6125 3667

Our commitment to diversity, belonging, inclusion and equity

ANU is committed to building a diverse and inclusive community, and particularly welcomes applications from women, Aboriginal and Torres Strait Islander people and candidates from culturally and linguistically diverse backgrounds. Furthermore, it is practice in the ANU College of Systems and Society to actively seek a gender mix of shortlisted candidates for interview. For more information about staff equity at ANU, visit https://services.anu.edu.au/human-resources/respect-inclusion

We welcome and develop diversity of backgrounds, experiences and ideas and encourage applications from individuals who may have had non-traditional career paths, who may have taken a career break, had career disruptions or who have achieved excellence in careers outside of the higher education sector. We support applicants who require flexible arrangements in their work environments or patterns. If your experience looks a little different to what we’ve described, but you’re passionate and motivated by this position, we welcome your enquiry and application.

What we offer

The ANU provides attractive benefits and excellent support to maintain a healthy work/life balance and offers generous remuneration benefits, including four weeks paid vacation per year, assistance with relocation expenses and 17% employer contribution to superannuation. We also offer generous parental leave, the possibility of flexible and part time working arrangements, a parental and aged care support program, dual career hire programs, staff and family tuition fee discounts, ANU school holiday programs, and childcare facilities on campus. For more information, visit: https://services.anu.edu.au/human-resources

How to apply

Applicants must apply online via the ANU recruitment portal and should upload the following

separate documents:

A detailed curriculum vitae (CV) including a Research & Development achievement/outcome list and the names and contact details of at least three referees (preferably including a current or previous supervisor). If your CV does not include referees, you can complete these online when prompted in the application form.

A statement (no more than 3 pages) addressing the selection criteria.

A statement (no more than 1 page) outlining your research objectives for the next 3 years if appointed.

Other documents, if required.

The committee will consider candidates who do not meet one or more aspects of the selection criteria.

Please note: The successful candidate will be required to undergo a background check during the recruitment process. An offer of employment is conditional on satisfactory results.

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