

Unlock Research Innovation and Talent with APR.Intern: Connecting Industry with Research Expertise

WHAT IS APR.INTERN?

Australian Postgraduate Research Intern (APR.Intern) is Australia's only national internship program for PhD and Masters by Research students, spanning all industries and academic disciplines. A division of the not-for-profit Australian Mathematical Sciences Institute (AMSI), APR.Intern has facilitated over 1,000 research internships since 2008, helping businesses accelerate innovation by connecting them with top emerging research talent.

Through short-term (3-6-month) research projects, businesses gain access to world-class expertise to solve commercial challenges, develop and test prototypes, analyse big data, and translate cutting-edge research into practical business solutions.

WHY PARTNER WITH APR.INTERN?

APR.Intern provides a streamlined, cost-effective pathway for businesses to engage with Australia's top research talent. Key benefits include:

- **Nationwide access:** Internships can be facilitated with HDR candidates from 35 Australian universities, providing businesses with a diverse talent pool.
- **End-to-end project management:** APR.Intern supports project scoping, candidate selection, and administration, ensuring a seamless experience.
- **High-impact, low-cost research:** Leverage cutting-edge research to solve critical business challenges.
- **IP ownership:** Industry partners retain full intellectual property (IP) rights under a standardised agreement, simplifying legal processes.
- **Security & ITAR compliance:** Candidates can be screened to meet defence sector requirements.
- **Elite talent pipeline:** With a 40% conversion rate to employment, APR.Intern helps businesses secure top research talent.
- **Funding support:** Subsidies available for eligible defence-related research in WA, VIC and TAS, with additional support for female STEM interns.
- **Cost savings:** Eligible businesses can receive up to 100% subsidy coverage, reducing financial barriers to research collaboration.

REAL-WORLD IMPACT

SPEE3D – Advancing Automated 3D Metal Printing for Defence Applications

Louis Cianciullo contributed to improving SPEE3D's automated 3D modelling processes, enhancing the efficiency of metal printing for defence and advanced manufacturing.

"I learned how to structure my research to align with a specific goal. Where academic research is more open-ended, industry research is very outcome-driven and this let me see the full range of the development process," Louis Cianciullo, former PhD Intern now Software Engineer at SPEE3D.

"Louis worked with our team to improve our method for deconstruction of a 3D model, allowing us to do more with our automation and reducing manual intervention. This saves our users valuable time and allows us to print a wider range of shapes. As the software has helped in-house development as well as our customers, it has been added into SPEE3D's official software package," Steven Camilleri, SPEE3D Co-Founder and Louis' Industry Supervisor.

Fusetec - High-Fidelity 3D Modelling for Surgical Training and Defence Medicine

Jiawei Ma refined 3D modelling techniques to produce highly detailed anatomical models, supporting innovations in surgical simulation and defence medical training.

"Jiawei improved methods for achieving high-fidelity 3D models. This will allow team members to replicate his approach and cut-down timeframes on other projects," Dr Jacob Ross PhD MD, Anatomical Specialist at Fusetec and Jiawei's Industry Supervisor.

"Working with state-of-the-art industry software was an invaluable opportunity to see the application of my studies first-hand. The internship was also a great environment to develop soft skills such as teamwork, presentation and communication skills," Jiawei Ma, former PhD Intern now Anatomical Engineer at Fusetec.

Silentium Defence - Enhancing Passive Radar Technology for Defence Surveillance

Nathan Anderson's research strengthened Silentium Defence's passive radar capabilities, improving situational awareness and detection technologies critical to defence operations.

"Nathan's project provided us with both immediate and long-term benefits for the business. With Nathan's assistance, we were able to successfully characterise the performance of our technology. His complementary skills also supported those already in the team to further enhance our product's core functionality," Dr James Palmer, CEO Silentium Defence.

"It was invaluable to see the difference between my system and theirs and learn from a world class research group," Nathan Anderson, PhD Intern at Silentium Defence.

Since the project's completion, Silentium Defence offered Nathan a full-time position in a newly created role.

GET STARTED

Take the next step towards research-driven innovation. Contact APR.Intern today on 0411 600 063 or submit a project enquiry to explore collaboration opportunities.

Learn more about cost and subsidies - <https://aprintern.org.au/business-info/costs-rebates/>

For more information, please contact your state's dedicated Business Development Manager:

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