HDR Application Form

## Introduction

SmartSat CRC (SmartSat) full and top-up scholarships, of up to 3 years maximum duration, are available to higher degree research (HDR) students who participate in SmartSat education and training program.

Scholarship recipients must enrol in a SmartSat partner (host) university and the supervision team will normally comprise the Principal Supervisor (host university); where practicable, an academic co-supervisor from another SmartSat partner university; and a co-supervisor from a relevant SmartSat end-user or Industry partner.

All students within the SmartSat education and training Program become valuable members of SmartSat, benefit from being a part of the graduate network, and an extensive professional development program that includes opportunities to participate in the SmartSat conference series and networking events.

Our students also benefit from being part of an organisation that links research and industry. SmartSat actively encourage students to undertake periods of placement with industry and end-user partners so they have both academic and industry-based research experience.

## Application Conditions

1. Complete forms must be emailed by the applicant in pdf format (please compile into one file) to [HDR@smartsatcrc.com](mailto:HDR@smartsatcrc.com)
2. Applicants must be enrolled, or will be seeking to enrol, at a SmartSat partner university.
3. Applicants must have discussed their research with a University supervisor.

## Scholarship Conditions

1. Generous full scholarships or top-up scholarship stipends for international students will be offered to suitably qualified applicants;
2. PhD Scholarships are available for up to 3 years.
3. Where SmartSat funds the scholarship the default position will be that SmartSat owns the IP. If there are opportunities to commercially exploit that IP then SmartSat will take a generous position in relation to helping the student share in the commercialisation activities and any benefits.

## Scholarship Obligations

Scholarship holders will:

1. Maintain enrolment through satisfactory progress;
2. Comply with policies, procedures and codes of conduct of the host university;
3. Participate in the SmartSat induction process at commencement of the scholarship;
4. Participate in SmartSat professional development activities and reviews during the term of the scholarship;
5. Contribute to the achievement of the SmartSat objectives including that of the activating project;
6. Make outcomes from the research available to SmartSat staff and stakeholders;
7. Submit a progress report every 6-12 months;
8. Acknowledge SmartSat support in publications and presentations; and
9. Lodge a copy of their completed thesis and any publications with SmartSat for publication through the website and allied channels.

# checklist

Please check the following items before submitting your form.

**☑** I am enrolled at a SmartSat partner university (attach a copy of your Offer of Candidature)

OR

**☐** I am seeking enrolment at a SmartSat partner university (attach evidence),

**☑** My research is aligned with an SmartSat research project or priority theme

**☑** Academic transcript(s) are attached (there is no requirement for these to be certified)

**☑** Curriculum Vitae / resume is attached

**☑** Research proposal of 2-3 pages is attached

**☑** I have asked my proposed supervisor(s) to independently provide a statement of support

# personal Details

**First Name** William. **Surname** Meakin.

**Address** 18 / 347 Sir Donald Bradman Drive, Brooklyn Park, 5032.

**Telephone** -. **Mobile** 0401 680 173.

**Email** wjmeakin@gmail.com.

**What degrees do you already hold?** Bachelor of Software Engineering (Honours)

**University Name** University of South Australia.

**Degree** Bachelor of Software Engineering (Honours). **Year** 2017

**Attach your academic transcript(s) to this application.** See below

**Your country of origin** (required by Commonwealth CRC Program) Australia.

# Scholarship Information

**What is your intended scholarship?**

**PhD Full** ☐ **PhD Top- Up ☑** (attach details of your current scholarship)

**Domestic student** ☑ **International student** ☐

**What is your time commitment to your research?**

**Part time** ☐ **Full time** ☑

**If research has already started, start date** Intended start: Jan 2022.

**Expected finish date** Dec 2024.

# RELEVANT Experience

**Do you have any relevant academic or industry / end-user experience?**

**1. Organisation**  Minelab.

**Position**  Honours Industry Placement. **Years**  2016.

**Brief Description of Role**

As part of my Honours ICT project I conducted research into optimising a correlation coefficient algorithm written in OpenCV by reimplementing it in CUDA. I found that the abstraction offered by OpenCV restricted certain optimisations made available by the lower level CUDA API, such as kernel merging.

This resulted in higher performance and lower power consumption for the end application, which was crucial for the target embedded platform.

**2. Organisation**  University of South Australia.

**Position**  Research Assistant. **Years**  2017.

**Brief Description of Role**

After graduating, I spent a year as a research assistant in UniSA’s Advanced Computing Research Centre. Here I gained experience with wide residual networks for facial expression recognition, spherical camera calibration, and using the Tensorflow object detection API to conduct experiments for neural network calibration on popular datasets such as COCO.

**Attach your curriculum vitae / resume.**

~See below

**List any other relevant material you have attached:**  -

**Referees**

**1. Name** Assoc. Prof Stewart Von Itzstein. **Relationship**  UniSA supervisor.

**Email** Stewart.VonItzstein@unisa.edu.au