Information Forensics and Security – Multimedia Signal Processing and Machine Learning

**Conditional offers will be sent on 18th November 2016, and successful candidates are expected to commence by 1st March 2017.**

## Conditions

Applicants must have a strong undergraduate degree with an appropriate honours or masters’ qualification in a relevant discipline. Industry and research experience relevant to the scholarship area is highly desirable.

Scholarships are available for domestic students or international students who can demonstrate eligibility for study in Australia. Scholarships are full-time.

General conditions of HDR Scholarships at FedUni can be found at: <http://federation.edu.au/research/research-degrees/scholarships/evaluation-of-applications>. Where these conditions differ to those on this form, the conditions outlined for this specific scholarship take precedence.

**Scholarship value: $30,000 per annum, $2000 candidature support per annum**

## Eligibility to undertake a PhD

To be eligible to undertake a PhD, students must meet [eligibility requirements outlined on the Research website](http://federation.edu.au/research/research-degrees/apply/check-your-eligibility).

## Referees

Please nominate **two referees** who can comment on your academic/scholarly/research experience and capacity. Applicants must ensure that [Referee Report Forms](http://federation.edu.au/__data/assets/word_doc/0006/192930/FedUni_Confidential_Referee_Report.docx) are returned to Research Services by **11th November 2016** for your application to be considered. Any applicant without referee report forms will not be forwarded for consideration.

Please indicate the proposed research topic/s in order of preference\* for your application:

      Real-time identification of suspicious objects/persons in surveillance images and video

      Image/video annotation and retrieval using machine learning techniques for automatic evidence cataloguing

      Multiview and free viewpoint video for digital crime scene reconstruction and analyses

      Mass estimation as a means for data mining and machine learning with forensics applications

      Applying reinforcement learning to facilitate retrieval of information from a network of surveillance cameras

      Monitoring Internet-of-Thing objects in smart environment

Are you also applying for an APA or FedUni funded scholarship?  Yes  No   
**Please note: APA scholarship applications close 31st October 2016**

1. Personal Details

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Surname: | | Given name: | | | Title: |
| Address: | | | | | |
| City: | | Country: | | | Postcode: |
| Date of birth: | | Contact telephone: | | | |
| Email address: | | | | | |
| Current FedUni Student:  Y  N | | | Student ID: | | |
| Current FedUni Staff:  Y  N | | | | | |
| Citizenship (please tick) | | | | | |
| Australian Citizen | Permanent Resident | | | Overseas Applicant\* | |
| Do you identify as an Aboriginal or Torres Strait Islander? Choose an item. | | | | | |
| Country of residence: | | | | | |
| Visa type: | Visa date from: | | | To: | |

\*International applicants will be required to demonstrate English language competence, e.g. IELTS or TOEFL

1. Education & Research History

Have you completed an Australian Honours degree?  **Y  N**

**Final result (please provide transcripts and abstracts):**

**If ‘N’ or result was below H2B (70%, GPA 3), please complete the following section:**

Please provide details of all previous tertiary education:

|  |  |  |
| --- | --- | --- |
| Name of Institute | Name of Course/Program | Completion date\* |
|  |  |  |
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\*Where course was not completed, state incomplete and provide dates

Have you previously submitted a research thesis?  **Y  N**

**Title:**

**Date of submission:** **Word count:**

Please list related research units/subjects taken as part of the qualification(s). Official transcripts showing results and information about the proportion of any research (thesis/methods) components of the qualifications should be attached.

|  |  |  |  |
| --- | --- | --- | --- |
| Qualification | Unit / Subject Name | Description / Weight / Credit points | Comments |
|  |  |  |  |
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## Independent Research Achievements

**Please attach** a separate document outlining any independent research achievements. Independent research achievements may be demonstrated by providing evidence of publications / research papers. The details should include:

* The title and authors of publications/research papers. Please provide links to any published works.
* An assessment of the applicant’s contribution to the publications/research papers listed (e.g. 100%, 50%) including the component(s) (e.g. research design, data analysis) the applicant contributed to most
* The type of publication and any evidence of independent assessment, e.g. refereed journal article, refereed conference paper/abstract, government or commercial report
* An evaluation of the quality of the publication/conference in which an article/research paper appears/is presented
* Information on any prizes/awards based on research outcomes e.g. ‘best paper award’ at a conference

## Other Relevant Research Experience

**Please attach** a separate document outline the presentation of evidence of other relevant research experience. This should be directed at enabling FedUni to make a judgment on the quality of the research experience. Evidence might include:

* Names and locations of relevant employers
* Length/relevance of positions held
* Level and nature of research undertaken
* Results/outcomes of the research experience
* Creative arts exhibitions
* Creative published works

1. Academic Referees

**Please provide names and email addresses for two academic referees:**It is the responsibility of the applicant to send the Federation University confidential referee report templates to their referees. Completed and signed referee reports should be sent from a Business/Institution email to research.degrees@federation.edu.au.

|  |  |  |
| --- | --- | --- |
| Name | Address | Email Address |
|  |  |  |
|  |  |  |

Declaration by Applicant

I DECLARE that the certificates and other information I have submitted with this application are a true and accurate record of all academic results I have achieved at each University and tertiary educational institution which I have attended and I hereby authorise Federation University Australia to make enquiries of, and to obtain records from, any university and tertiary educational institution concerning my current or previous attendance which, in its absolute discretion, it believes are necessary to be made or obtained.

I ACKNOWLEDGE that my failure to disclose my true and complete academic record may result in an offer not being made, an offer being rescinded or candidature being terminated.

|  |  |
| --- | --- |
|  | / / |
| Signature **(must be hand written, not typed)** | Date |

**Once this application is completed please send by email to: research.degrees@federation.edu.au**

OR by post to: Research Services   
Federation University Australia,   
PO Box 3191,   
Gippsland Mail Centre, Vic, 3841

|  |  |
| --- | --- |
| **Checklist**  **The following documentation must be attached** | |
| All applicants must provide the following: | |
|  | 250 Word Summary of intended project |
|  | Official Transcript of academic records for all completed tertiary degrees |
|  | List of published work (and first page of each publication) |
|  | Australian citizens must provide a copy of their birth certificate or passport |
|  | Permanent Residents must provide a copy of their visa and passport |
|  | International Applicants must provide a copy of their passport |
|  | One copy of your Honour’s or Master’s thesis abstract |
|  | Copies of contractual agreement with outside sponsor or institution (if applicable) |
|  | IETLS / TOEFL certificate (International applicants only) |
|  | Personal Statement of Study Purpose (International applicants only) |