



**Study for PhDs at UQ with CSC scholarships (国家建设高水平大学公派研究生项目)**

Jin Zou (邹进)  
j.zou@uq.edu.au


THE UNIVERSITY OF QUEENSLAND AUSTRALIA

**Faculties**

THE UNIVERSITY OF QUEENSLAND AUSTRALIA

**Six multi-disciplinary faculties**, comprising 32 schools and a large number of research centres, with broad and deep research and teaching strengths

- Business, Economics and Law
- Engineering, Architecture and Information Technology
- Health and Behavioural Sciences
- Humanities and Social Sciences
- Medicine and Biomedical Sciences
- Science



**Research Institutes**

THE UNIVERSITY OF QUEENSLAND AUSTRALIA

UQ's existing research strengths developed through its six faculties have gained scale and focus with the establishment of **nine research institutes**.

- Australian Institute for Bioengineering and Nanotechnology (AIBN)
- Diamantina Institute (UQDI)
- Mater Research (UQMR)
- Global Change Institute
- Institute for Molecular Bioscience (IMB)
- Institute for Social Science Research
- Queensland Alliance for Agricultural and Food Innovation
- Queensland Brain Institute (QBI)
- Sustainable Minerals Institute (SMI)



**Faculty of EAIT**

THE UNIVERSITY OF QUEENSLAND AUSTRALIA

12 national teaching awards in the last 10 years	600+ Research Higher Degree Students	More than 350 academic and research staff
22,000+ engineering, architecture and information technology alumni	\$42 Million annual research income	11 externally funded chairs

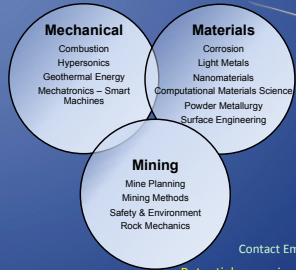
**Faculty of EAIT**

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- School of Mechanical and Mining Engineering
- School of Chemical Engineering
- School of Civil Engineering
- School of Information Technology & Electrical Engineering (ITEE)
- School of Architecture
- Advanced Water Management Centre (AWMC)


**Research Strength of Mech/Mater/Min Eng**

THE UNIVERSITY OF QUEENSLAND AUSTRALIA







Contact Email: [rhadmin@mechmining.uq.edu.au](mailto:rhadmin@mechmining.uq.edu.au)

Potential supervisors for Mech, Mater, & Min:  
<http://www.mechmining.uq.edu.au/our-people#academic-staff>

**Research Strength of Chemical Engineering** 

Australia's Top Chem.Eng. school

 Materials & Chemical Product Engineering	 Environmental Engineering
 Biological & Biomedical Engineering	 Metallurgical Engineering

**Major Research Areas**

- Climate change
- Renewable energy supply and distribution
- Water Management
- Food supply and security
- Processing and transforming minerals and other natural resources
- Biological systems
- Advanced materials

Potential supervisors of Chemical Engineering: <http://www.chemeng.uq.edu.au/our-people#academic>

**Research Strength of ITEE** 

**RESEARCH STRENGTHS:**

Biomedical Engineering  
Sleep and Respiratory Systems  
Cognitive Systems Engineering  
Microwave, Photonics and Communications  
Power and Energy Systems  
Robotics



Complex and Intelligent Systems  
Security and Surveillance Systems and Software Engineering  
Interaction Design  
Ubiquitous Computing  
Data and Knowledge Engineering  
eResearch



Potential supervisors of ITEE: <http://www.itee.uq.edu.au/contacts/#ou0>

**Research Strength of Civil Engineering** 

**RESEARCH STRENGTHS:**

Coastal and Ocean Engineering  
Geotechnical Engineering  
Hydraulic Engineering





Potential PhD projects of Civil Eng: <http://www.civil.uq.edu.au/projects>


**Research Strength of Architecture** 

UQ Architectural research has been ranked top nationally in 2010 ERA ranking.


**RESEARCH PROGRAMS:**

Aboriginal Environments  
Architectural Design  
Architecture Theory Criticism History  
Sustainable Design

Contact email: [uqhdarc@uq.edu.au](mailto:uqhdarc@uq.edu.au)



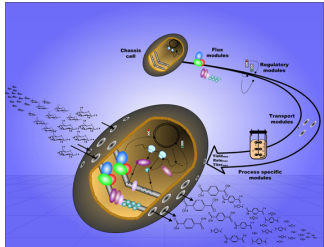
Potential supervisors of Architecture: <http://www.architecture.uq.edu.au/academic-staff>

**Research Strength of AWMC** 

The **Advanced Water Management Centre (AWMC)** at UQ is an internationally recognised centre of excellence in innovative water technology and management.

**RESEARCH PROGRAMS:**

Anaerobic Technologies  
Bioelectrochemical  
Microbial Electrosynthesis  
Greenhouse Gas  
Microbial Ecology  
Sewer Corrosion and Odour  
Water Recycling



Potential supervisors of AWMC: [http://www.awmc.uq.edu.au/our-team#academic\\_staff](http://www.awmc.uq.edu.au/our-team#academic_staff)

**Australian Institute for Bioengineering & Nanotechnology** 

- ▶ A multidisciplinary environment at the interface between the biological, chemical and computing sciences
- ▶ 17 Group Leaders, 9 Associate Group Leaders, 470 personnel, 140 research students
- ▶ World-class research labs and infrastructure
  - ▶ Electron microscopy
  - ▶ Biology
  - ▶ Nanofabrication
  - ▶ Metabolomics
  - ▶ Protein expression
  - ▶ High performance computing
  - ▶ NMR and spectroscopy, etc.



[www.aibn.uq.edu.au](http://www.aibn.uq.edu.au)

 **AIBN** Australian Institute for Bioengineering and Nanotechnology

### AIBN Research Strengths



**Health**

- Needle Free Vaccination
- Targeted Therapies And Imaging
- Personalised Nanomedicine
- Biologics
- Stem Cells And Regenerative Medicine



**Energy**

- Clean Energy - Next Generation Batteries And Capacitors
- Hydrogen Storage and Conversion
- Sustainable Jet Fuel
- Advanced Lithography



**Environment**

- Low Energy Bio/Nano Membrane Processes
- Advanced Materials
- Nanoagriculture
- Selective Pollutant Removal
- Bioderived Chemical Building Blocks

Potential Research Projects at AIBN <http://www.aibn.uq.edu.au/research-projects>


**AIBN** Australian Institute for Bioengineering and Nanotechnology

### Background of the CSC PhD Program



- Based on the State Council's *National Outline for Medium and Long Term Science and Technology Development* (2006-2020), CSC initiated its first 5-year PhD program in 2007 – **Finished in 2011**
- Based on the State Council's *National Outline for Medium and Long Term Science and Technology Development* (2006-2020), *National Program for Medium and Long term Talent Development* (2010-2020), and *National Outline for Medium and Long Term Education Reform and Development* (2010-2020), CSC developed and launched its second 5-year PhD program in 2012 – **Finished in 2016**
- 2017 CSC program emphasizing State Council's *National Outline for Medium and Long Term Science and Technology Development* (2006-2020), *National Program for Medium and Long term Talent Development* (2010-2020)
- CSC aims to send **1<sup>st</sup> Class** students to **1<sup>st</sup> Class** global universities/institutes to carry out research projects with **1<sup>st</sup> Class** supervisors

### CSC supported ST research fields



- Key fields
  - Energy, Water/mineral resources, Environmental, Agriculture, Manufacture, Transportation, Information, Population/health, City/urban planning, Safety, and Defence
- Frontier technologies
  - Life Science, Information, New materials, Advanced manufacture/energy technology, Ocean technologies, Laser technologies, and Space technologies
- Special Programs
- Fundamental Research

<http://www.csc.edu.cn/article/711>

### Fields where Talents needed



- Economic Key fields
  - Assembling/Manufacturing, Biotechnology, New Materials, Aerospace, Ocean, Commerce, International Business, Environmental protection, Energy resources, Modern transportation, Agriculture technology
- Social development Key fields
  - Education, Political and Law, Humanities/Culture, Medical science, Disaster protection/reduction

<http://www.csc.edu.cn/article/710>

### CSC eligibility to apply for PhD



- **PhD programs** (36 – 48 months): 2017: 3000
  - Bachelor graduates
  - Masters students
  - First year PhD students
- **Exchange PhD programs** (6 – 24 months): 2017: 6500
  - UQ policy: Maximum stay of 12 months

Note: EAIT has a strict rule on academics to take occupational trainees and you need to meet UQ's English requirement for international students

### UQ Admissions requirements



- **Meeting the prior research training requirement** - Minimum academic achievement, research experience and English proficiency requirements apply. Details can be found in the link below <http://www.uq.edu.au/grad-school/our-research-degrees>.
- **PhD program** - General Award Rules 4.4.4
  - Undergraduate degree Honours IIA or equivalent, which includes a relevant research component
  - Undergraduate degree plus a minimum of two years relevant research experience (documentary evidence required)
  - be enrolled in the MPhil program at the university and have their enrolment confirmed by the dean under GAR 4.7.
- **English Language Proficiency requirements** –
  - <https://ppl.app.uq.edu.au/content/3.40.14-english-language-proficiency-admission-and-concurrent-support>

## Financial support for PhD enrolled at UQ



- From CSC:
  - International Travel
  - Living stipend (A\$1300 per month in the first 5 year program, A\$1700 per month in the second 5 year program)
- From UQ
  - UQI tuition fee scholarship (up to 14 quarters).
  - Top-up scholarship might be available to match Australian Postgraduate Award (A\$26,288 per year - 2016 figure)

## Application process - 1



- Check UQ Researchers (<http://researchers.uq.edu.au>) or the academic staff website of enrolling school (listed above, e.g. <http://www.mechmining.uq.edu.au/our-people#academic-staff>)
- Preparing your CV based on UQ format: <http://www.uq.edu.au/grad-school/academic-CV>
- Email your potential supervisor to express your interest in studying for a PhD under his/her supervision; together with **your CV** and **academic transcript(s)**, and your obtained **degree certificate(s)**; also you should mention that you are applying for a CSC scholarship (some academics may not be aware of the CSC program)
- If your supervisor decides to support you to apply for the CSC scholarship, you can submit an application online <http://www.uq.edu.au/grad-school/apply-2>. You also need to submit other requested documents, e.g. your CV, academic transcript(s) and degree certificate(s), and English certificate(s)

## Academic Curriculum Vitae (CV)



- **Personal details**
  - Include your full name and contact details.
- **Educational qualifications and professional affiliations**
  - Include the full title of the qualification, the institution attended, and the year awarded.
- **Employment history**
  - In chronological order, starting with your current position and specifying dates of employment; include the title of each position, name of employer, main duties or accountabilities, and achievements that are relevant to your proposed field of research.
- **Research publications/Description of most significant publications**
  - Include articles published or accepted for publication (with the three most significant marked with an asterisk). Please specify the publication details, your contribution as an author to multi-authored publications, plus the standing of the journal or conference.
  - Include a short description (maximum 200 words each) for each of the three asterisked publications, explaining their significance in the field and why they have made an important contribution.
- **Research grants**
  - Include only those awarded.
- **List Awards/Scholarships/Recognitions**
- **Academic referees**
  - Please include the name and contact details (address, telephone, fax and email) of two referees. If possible, please include a senior person (preferably your supervisor or the head of your organisational unit) closely associated with your current work.

## Application process - 2



- Make sure you **meet** UQ English Language Proficiency requirement when you submit your admission package (English test results are valid for **2 years only**, and must still be valid upon commencement at UQ)  
IELTS minimum score: 6.5 overall, 6.0 in all sub-bands, or  
IBTOEFL minimum score: 87 overall, 21 in writing, 19 in other sub-bands
- Once the enrolling school has received your application, they will contact you for any further documentation (e.g. project proposal, referee reports)
- You should then work with your supervisor to develop the proposal
- You need to identify two academic referees to prepare recommendation letters and letters should be sent by your referees to your potential supervisor and the the postgraduate admin officer directly

## Application timelines



- **Early December 2017:** Admission application package should be lodged to the postgraduate admin officer of the enrolling school
- December 2017, all applications will be rigorously screened by the research committee of the enrolling school. Unsuccessful applications will be notified in January 2018 at the latest
- January 2018, the eligibility of all applications will be assessed by UQ Graduate School (it is very rare the applications to be turned down)
- Before the end of February 2018: UQ admission and tuition fee scholarship offers will be sent to successful candidates; and unsuccessful applications will also be notified
- From late March 2018: CSC application starts

## UQ documents needed for CSC applications



- **UQ Admission Offer Letter** (this can be conditional, but **English requirement must be met**) – Note that the *title of research project*, *name of advisory team*, and *contact details of advisory team* will NOT be shown in the offer letter and CSC accepts this.
- **UQI Tuition Fee Scholarship Offer Letter** (this is conditional on being awarded the CSC scholarship, you will need to provide a copy of CSC scholarship offer letter to UQ to receive the unconditional offer)
  - All students should apply for **48 months** financial support from CSC
- **Supervisor's CV**
- **Research Proposal signed by Your Supervisor** (both in English and Chinese)

### Exchange PhD Programs



- Research Study Abroad Program (application through UQ GS)
  - Importantly, the research carried out at UQ must be part of the student's PhD thesis.
  - The CSC student will be enrolled at UQ Graduate School as a formal program of study. Students will have the benefits of being a formal student and can receive an academic transcript at the end of their study.
  - Student must have enrolled for PhD program for > 1 year.
- Occupational Trainee Program (application through Faculty)
  - The CSC student aims to develop research experiences at UQ only, so that the the research carried out at UQ will not be part of the student's PhD thesis.
  - The research carried out at UQ is NOT necessary being part of his/her PhD thesis.

### Exchange PhD Programs



- Research Study Abroad Program
  - Duration will be 2-4 quarters
- Occupational Trainee Program
  - Duration should be up to 1 year
- Research Study Abroad Program/Occupational Trainee Program
  - No top-up scholarship payable for UQ
  - Minimum English requirement for the UQ students must be met
  - Students should contact to potential supervisors to develop a research plan
  - The research plan should be approved by the head of enrolling unit

### Expected CSC selection timelines



- From March 2018: CSC application starts
  - April/May 2018: CSC assessments
  - May/June 2018: Successful candidates announced.
- Note: CSC will send a list of success CSC applicants to UQ for final confirmation, so that the announcement will be delayed for several days. (Remember: No news is a good news!)
- From June 2018: Finalize UQ enrolment and visa application.
  - October 2018 onwards – Arriving in UQ (Note: UQ enrolments is the first two weeks of each quarter, say 1<sup>st</sup>-14<sup>th</sup> Jan, Apr, Jul, and Oct; and CSC requires the candidate leaves China before 31<sup>st</sup> March, 2019)