



QUT Research Strengths

Faculty of Built Environment and Engineering

Contact: Professor John Bell (j.bell@qut.edu.au)

Website: <http://www.bee.qut.edu.au/research/>

Faculty areas of strength are:

微(纳)电子器件

Composants micro (nano) électroniques

Micro (nano) electronic components

Professor John Bell (j.bell@qut.edu.au)

纳电子学

Nanoélectronique

Nanoelectronic

Professor John Bell (j.bell@qut.edu.au)

遥感与地理信息科学

Télédétection et Science de l'information géographique

Teledetection and geographical information science

Professor Miles Moody (m.moody@qut.edu.au)

科学卫星与通讯

Satellite scientifique et télécommunication

Scientific satellite and telecommunication

Professor Miles Moody (m.moody@qut.edu.au)

组织工程

Ingénierie tissulaire

Tissue engineering

Associate Professor Yin Xiao (yin.xiao@qut.edu.au)

生物医学工程

Ingénierie biomédicale

Biomedical engineering

Professor Mark Percy (m.percy@qut.edu.au)

纳米科学与技术

Nanotechnologie et Nanotechnique

Nanotechnology and Nanotechnique

Professor John Bell (j.bell@qut.edu.au)

纳米材料

Nanomatériaux
Nanomaterials
Professor John Bell (j.bell@qut.edu.au)

生态环境材料

Matériaux d'environnement et d'écologie
Materials of environment and ecology
Professor John Bell (j.bell@qut.edu.au)

电力系统灾变防治与经济运行

Prévention et traitement des pannes de système électrique,
fonctionnement économique
Prevention and treatment of electric system breakdowns, economic
process
Professor Gerard Ledwich (g.ledwich@qut.edu.au)

高效节能新技术

Nouvelle technologie d'économie énergétique haute performance
New technology of conservation energy high-performance
Professor John Bell (j.bell@qut.edu.au)

氢能及储氢技术

Energie d'hydrogène et technologie de stockage d'hydrogène
Energy of hydrogen and technology of hydrogen storage

低价格,长寿命光伏电池

Batterie photovoltaïque de longue durée et petit prix
Long life and small price of photovoltaic cells
Professor John Bell (j.bell@qut.edu.au)

水文学与水土资源可持续利用

Hydrologie et utilisation continue des ressources du sol et d'eau
Hydrology and continued use of resources of the ground and water

全球气候变化与气候预测

Changement du climat de monde et prévision climatique
Change of the climate of world and climatic forecast
Associate Professor Ashantha Goonetilleke (a.goonetilleke@qut.edu.au)

环境污染机制与控制技术

Mécanisme de la pollution environnementale et technologie de contrôle
Mechanism of environmental pollution and technology of control
Associate Professor Ashantha Goonetilleke (a.goonetilleke@qut.edu.au)

先进制造理论与技术

Nouvelle théorie et technologie de la fabrication
New theory and technology of manufacture
Prasad Yarlagadda (y.prasad@qut.edu.au)

重大工程灾害防治与系统安全

Prévention des pannes graves d'ingénierie et sûreté de système
Prevention of the serious engineering breakdowns and safety of system
Associate Professor Lin Ma (l.ma@qut.edu.au)

工程可持续发展与低成本制造

Ingénierie du développement durable et fabrication à coût réduit
Sustainable development engineering and lower cost manufacturing
Associate Professor Ashantha Goonetilleke (a.goonetilleke@qut.edu.au)
Associate Professor Ashantha Goonetilleke
(a.goonetilleke@qut.edu.au)

智能建筑

Construction intelligente
Intelligent construction
Professor Martin Betts, (m.betts@qut.edu.au)
Professor Stephen Kajewski (s.kajewski@qut.edu.au)

高速铁路与智能控制

Chemin de fer grande vitesse et contrôle intelligent
High speed railroad and intelligent control
Professor Luis Ferreira (l.ferreira@qut.edu.au)

机器人与机电一体化

Robot et intégration d'électromécanique
Robot and integration of electromechanics
Dr Rod Walker (ra.walker@qut.edu.au)

环境与资源经济学

Science économique des ressources et de l'environnement
Environmental and resource economics
Dr Doug Baker (d2.baker@qut.edu.au)

Faculty of Business

Email: Business.research@qut.edu.au

Website: www.bus.qut.edu.au

Faculty areas of strength are:

Economics

Professor Rodney Wolff, r.wolff@qut.edu.au

Finance

Professor Rodney Wolff, r.wolff@qut.edu.au

Accounting

Professor Natalie Gallery, n.gallery@qut.edu.au

Marketing

Dr Judy Drennan, j.drennan@qut.edu.au.

Faculty of Creative Industries

Contact: cirac.research@qut.edu.au

Websites: <http://www.creativeindustries.qut.edu.au/research/cirac/>

Faculty of Education

Contact: Associate Professor Jim Watters (j.watters@qut.edu.au)

Website: <http://cli.ed.qut.edu.au/about/aims.jsp>

Faculty areas of strength are:

Through the Centre for Learning Innovation the Faculty of Education aims to conduct research in the following focus areas of education:

- Early years
 - Cognition and creativity
 - Indigenous capacity building
 - Scholarship of Teaching in Higher Education
 - Advancement of knowledge in Science, Technology, Engineering and Maths
 - Cultural Transformations
 - Creative Workforce
 - Development and disability
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Faculty of Health

Contact: health.research@qut.edu.au

Website: <http://www.hlth.qut.edu.au/general/research.jsp>

Faculty areas of strength are:

Centre for Health Research

The formation of the Centre for Health Research began in early 2003 with the amalgamation of the faculty's previous school based research centres and areas, namely:

- Centre for Eye Research (School of Optometry)
- Centre for Nursing Research (School of Nursing)
- Centre for Public Health Research (School of Public Health)
- Physical Activity and Disability (School of Human Movement Studies)

Information on the research activities of the Centre for Health Research can be currently found using the following links:

- [Human Movement Studies](#)
- [Nursing](#)
- [Optometry](#)
- [Psychology & Counselling](#)
- [Public Health](#)

Response to CSC Areas:

Burst of serious illness and prevention

Professor Gerry Fitzgerald, g.fitzgerald@qut.edu.au

Institute for Health and Biomedical Research

IHBI research encompasses (faculties of Science, BEE and Health involved):

- Tissue Bioregeneration (Repairing)
Restoring functionality to damaged human tissue; skin, muscles, bones, joints and eyes.
- Tropical Crops and Biocommodities (Producing)
Growing plants that produce beneficial materials for human nutrition and therapy.

- Vision Improvement (Seeing)
Caring for the eyes by advancing the techniques used to correct and maintain clear sight.
- Advanced Diagnostics and Medical Devices (Detecting)
Developing technologies to assist practitioners diagnose illness and injuries more accurately.
- Health Development (Promoting)
Exploring critical health issues (e.g. ageing, and chronic disease) and designing better community healthcare options.
- Injury Prevention and Rehabilitation (Protecting)
Analysing and modifying human behaviour to avoid dangerous situations and developing strategies for damage recovery.

Centre for Accident Research and Road Safety - Queensland

CARRS-Q undertakes research in the following areas:

- Illegal and High Risk Behaviours
- Human Behaviour and Technology Interface
- Vulnerable Road Users
- School and Community Based Road Safety
- Fleet and Workplace Safety

Centre for Palliative Care Research and Education

The Centre has several key tasks in relation to research. These include:

- engendering a culture of enquiry within the discipline of palliative care;
- building a research capacity within the State through increasing opportunities to acquire skills in research;
- bringing like minded researchers together; and
- assisting people with good ideas but insufficient skills to get their ideas up and running.

School of Humanities and Human Services

Contact: carseldine.research@qut.edu.au

Websites: <http://www.socialchange.qut.edu.au/>

Faculty could support the following CSC Category 7 areas:

Area 39

Contact: Dr Judith Burton (email j.burton@qut.edu.au)

39 Laws of social protection - if they mean issues such as child protection and prevention of violence against women.

<http://www.hhs.qut.edu.au/about/burton.jsp>

Areas 12 and 45

Contact: Associate Professor Howard Guille (email h.guille@qut.edu.au)

<http://www.hhs.qut.edu.au/about/guille.jsp>

Faculty of Information Technology

Contact: infotech.research@qut.edu.au

Websites: <http://www.fit.qut.edu.au/research/> and <http://www.isi.qut.edu.au/>

Faculty could support the following CSC areas by category:

Category 1

Contacts:

Associate Professor Paul Roe (network computing – email p.roe@qut.edu.au),
Professor Colin Boyd (information security – email c.boyd@qaut.edu.au),
Dr Glen Tian (control systems – email y.tian@qut.edu.au), and
Professor Colin Fidge (system safety – c.fidge@qut.edu.au).

Category 6

Contacts:

Associate Professor Joaquin Sitte (robotics – email j.sitte@qut.edu.au),
Dr Frederic Maire (robotics – email f.maire@qut.edu.au).

Faculty of Law

Contact: law.research@qut.edu.au

Website: <http://www.law.qut.edu.au/research/current.jsp>

Faculty of Science

Contact: science.research@qut.edu.au

Websites: <http://www.sci.qut.edu.au/>

The Science Research Centre (SRC) is the premier research centre in the Faculty and consolidates the Faculty's research into 13 core programs, providing a critical mass of researchers in each program and covering the research activities of the 4 Faculty Schools - Life Sciences, Physical and Chemical Sciences, Mathematical Sciences and Natural Resource Sciences (Geology and Ecology). The SRC provides centralised research management and first class, state-of-the-art facilities and equipment.

Response to CSC Areas:

Natural Resources Sciences (Geology and Ecology)

Carbon cycle of the bordering sea and ground

Professor Peter Grace (pr.grace@qut.edu.au)

<http://www.isr.qut.edu.au/research/researchers/index.jsp>

Hydrology and continued use of resources of the ground and water

Dr Mal Cox (m.cox@qut.edu.au)

<http://src.sci.qut.edu.au/programs/qews/leader.jsp>

World change and evolution of the environment

Professor Peter Grace (pr.grace@qut.edu.au)

<http://www.isr.qut.edu.au/research/researchers/index.jsp>

Dr Gregg Webb (ge.webb@qut.edu.au)

<http://www.sci.qut.edu.au/profiles/webb/>

Dr Stephen McLoughlin (s.mcloughlin@qut.edu.au)

<http://www.sci.qut.edu.au/profiles/mcloughlin/>

Maritime alive beings and maritime ecology

Dr Gregg Webb (ge.webb@qut.edu.au)

<http://www.sci.qut.edu.au/profiles/webb/>

Diversification of biology

Dr Stephen McLoughlin (s.mcloughlin@qut.edu.au)

<http://www.sci.qut.edu.au/profiles/mcloughlin/>

Quaternary Earth and Water Systems

<http://src.sci.qut.edu.au/programs/qews/>

Biological Systems Research Program

http://src.sci.qut.edu.au/programs/biological_systems/

Tissue Repair and Regeneration Program

Program Contact: Professor Zee Upton (z.upton@qut.edu.au)

Alternate Contact: Professor Graeme George (g.george@qut.edu.au)

Tissue Engineering

Ageing, prevention and treatment of senior citizen illness

Functional genome and proteinomist

Material Science and New Materials

Biomaterials and polymer materials

Nanomaterials