Excel in Your Field
With a Professorial Research Fellowship at ECU
It is with great pleasure that I welcome you to ECU.

Edith Cowan University (ECU) is a young and progressive university with a strong reputation for excellence in teaching and state of the art facilities. Our dedicated teachers and researchers develop and impart knowledge that transforms the lives of people in communities around the world.

ECU is an ethical and responsible organisation with strong values that are owned and demonstrated by the whole University community. These values influence how we work, and the University’s commitments on equality, opportunities for disadvantaged people, and reducing our impact on the environment.

Established in 1991, ECU has grown rapidly into a quality university with internationally recognised research and excellent student satisfaction. Recently we were recognised as one of the world’s top 150 Universities under 50 years old in the 2017 Times Higher Education Top 200 Young Universities.

Students, graduates and staff at ECU are identified amongst the best in the world, with many fulfilling critical roles in our society. Their outstanding achievements have been recognised throughout Australia and internationally through awards, grants, scholarships and prizes.

Research at ECU both extends knowledge and improves the quality of life for Australians and people across the globe. Our research priorities focus on solving real world problems across the social, economic, physical and environmental spectrums.

We are seeking a number of outstanding researchers, people who can demonstrate a strong publication track record as well as a passion for making a difference in their field.

For the right candidate, we offer an attractive remuneration package, world class facilities, and the support you need – and all of this in one of the world’s most beautiful cities, Perth, Western Australia.

I am immensely proud of ECU and our talented and hard-working students and staff, actively supported by our Council. Through our combined efforts progressing the objectives set down in our 2017 – 2021 ECU Strategic Plan, I urge you to consider joining me in leading the continuing transition of ECU to a highly-respected university, with world ready graduates and leading edge research.

Professor Steve Chapman CBE
Vice-Chancellor
Edith Dircksey Cowan was born in 1861 at Glengarry near Geraldton. She believed that education was fundamental to tackling the social issues of her day and that it was the key to growth, change and improvement. She fought tirelessly to improve conditions for women, children, families, the poor, the under-educated and the elderly. She promoted sex education in schools, migrant welfare and the formation of infant health centres.

Among her many achievements, Edith Cowan was instrumental in obtaining the vote for women in Western Australia. She was Vice-President of the Women Justices’ Association and the Western Australian League of Nations Union. She helped found the Children’s Protection Society, which was the precursor of the Children’s Court and helped create the Western Australian National Council for Women, of which she was President from 1913 to 1921.

In 1921, at the age of 60, she became the first woman elected to an Australian Parliament. Her most important feat as a parliamentarian was her contribution to the passing of the Women’s Legal Status Bill, which became an Act in 1923. The Bill opened legal and other professions to Western Australian women for the first time.

Edith Cowan strove to achieve social justice and campaigned for the rights of women, children and families, the poor, the poorly educated and the elderly. So it’s fitting that the State’s oldest education institution and newest University, Edith Cowan University, bears her name.

**Who was Edith Cowan?**

**WGEA Employer of Choice for Gender Equality**

ECU is proud to be leading the way in workplace gender equality. The Commonwealth Workplace Gender Equality Agency’s citation recognises our leadership in this area.

**Athena SWAN Member**

ECU is proud to be an inaugural member of the Athena SWAN Charter in Australia, a program focused on transforming gender equity action to improve the promotion and retention of women and gender minorities.
Perth is located in the state of Western Australia and is globally recognised for its low unemployment rate, healthy economy and dedication to state-of-the-art research and development in science and technology. Perth offers a truly authentic Australian experience, with many days of sunshine, a mild Mediterranean climate, gorgeous blue skies and brilliant beaches. It is a vibrant, sophisticated and safe city with a standard of living that is amongst the highest in Australia and the world. Perth is also the closest Australian capital to many cities in Asia, Africa, and Europe.

It’s the closest major Australian city to the growing economies of South East Asia and shares a time zone with one third of the world’s population. Perth offers all the cosmopolitan attractions of a large international city, including a wide selection of restaurants and cafés, cinemas, nightclubs and music venues, as well as great shopping. The climate is also perfect for sporting and leisure activities – everything from tennis to golf through to whale watching and sailing. The Economic Intelligence Unit has rated Perth one of the top 10 most liveable cities in the world for the past 12 years (2004-2016).
Edith Cowan University is a large, multi-campus institution serving communities nationally and internationally. The University has two metropolitan campuses in Joondalup and Mount Lawley, and serves Western Australia’s South West from a regional campus in Bunbury, 200 km south of Perth.

ECU was awarded university status in 1991, but despite this apparent youth, the University has a proud history of more than a century of service to education in Western Australia. Its origins lie in Claremont Teachers College, founded in 1902, and then the Western Australian College of Advanced Education, an amalgamation of several teacher training institutions formed in 1982.

ECU has since developed innovative and practical courses across a wide range of disciplines and has a vibrant research culture with high quality researchers and research partners, working at the cutting edge of their fields.

ECU has close to 29,000 students at undergraduate and postgraduate levels. More than 5000 of these are international students, originating from more than 100 countries.

ECU offers higher education courses in a wide range of fields of education including: Biomedical Sciences, Business and Management, Creative and Performing Arts, Cybersecurity, Education, Engineering, Environmental Science, Hospitality and Tourism, Information Technology, Law, Nursing and Allied Health, and Psychology.

Overview of ECU

Our Values

ECU staff and students are guided by four key values:

**Integrity**
Being honest, ethical and fair.

**Respect**
Considering the opinions and values of others.

**Rational Inquiry**
Motivated by evidence and reasoning.

**Personal Excellence**
Demonstrating the highest personal and professional standards.
**About ECU**

**Staff**
ECU has a strongly committed staff of approximately 1,800 employed on a full-time, part-time and sessional basis.

The proportion of academic staff with Doctoral qualifications has increased consistently since 2008. In the last three years, ECU has adopted specific strategies aimed at increasing the proportion of staff with PhD qualifications in support of its research priorities, and to satisfy a need for a pipeline for senior academic leadership positions.

The University has implemented a range of strategies to grow academic and research leadership capacity over the last 10 years. Including most recently, the Vice-Chancellor’s Professorial Research Fellow scheme aimed at recruiting 20 outstanding scholars who can demonstrate a track record of international research impact in their field.

The University provides career progression and pathways that support diversity in the academic population. This is achieved through varying the expected mix of teaching and research loads for staff through different academic classifications: Teaching and Research Scholar (Standard), Teaching Focused Scholar, and Research Scholar.

ECU’s staff profile has a high proportion of female staff (61%) and compares well against sector benchmarks for representation of women at senior academic and professional levels.

ECU conducts a staff survey on a two-year cycle. The 2016 ECU Staff Survey results show a significant increased satisfaction in the areas of Research, and Change and Innovation since the previous survey. Most positive scores were for Organisation Purpose and Staff Engagement which includes:

- Staff being aware of and believing in ECU’s values;
- Staff are clear on how they contribute to the success of ECU;
- Staff are supported in pursuit of engaged research
- Overall staff are satisfied with their job; and
- Organisation commitment – proud to tell people they work at ECU.

ECU was also rated as having a high priority on workplace health and safety.

**Students**
ECU has almost 29,000 students from three broad cohorts; domestic students (84%), international fee paying onshore students at Perth campuses (12%) and international fee paying offshore students studying outside Australia (4%). Of the total student body, 61% are female and 74% are studying full-time. ECU’s South West Campus in the regional city of Bunbury about 200km south of Perth, has around 1,260 students. While the majority of ECU’s students are studying in higher education courses, there are approximately 306 students in Vocational Education and Training (VET) programmes studying through the Western Australian Academy of Performing Arts (WAAPA). Enrolments in postgraduate coursework and research courses are in excess of 7,000 students.

ECU has been ranked the top public university in Australia for most satisfied students with respect to ‘overall quality of educational experience’, a key measure in the QILT (Quality Indicators for Learning and Teaching) suite of surveys released in 2017. Results showed 86% were satisfied with their educational experience at ECU. We were also the top WA public university for teaching quality, support, resources and skills development.

ECU has received a five-star rating for teaching quality for eleven years in a row in the 2018 Good Universities Guide.
ECU has three campuses, Joondalup, Mount Lawley and South West.

**Joondalup Campus**

The Joondalup campus is in Perth’s northern metropolitan corridor, one of the fastest growing regions in Australia. This campus, accessed by first-class transport links, houses ECU’s administrative headquarters and is the University’s largest campus. The Joondalup campus contains impressive contemporary structures such as the iconic Chancellery Building, the international prize-winning Library and our latest building, Ngoolark. The Joondalup campus is co-located with Western Australia’s Police Academy and the North Metro TAFE. Together with the City of Joondalup, these entities make up the Joondalup Learning Precinct, a long-term collaboration between the four partner entities. The Joondalup campus is also close to the Joondalup Health Campus, a major metropolitan hospital.

**Mount Lawley Campus**

ECU’s Mount Lawley campus is approximately 6km from the Perth CBD. The campus houses ECU’s nationally and internationally recognised Western Australian Academy of Performing Arts (WAAPA), and Kurongkurl Katitjin, ECU’s Centre for Indigenous Australian Education and Research.

The Mount Lawley campus forms a precinct with the co-located Mount Lawley Senior High School. WAAPA, operates both higher education and vocational education and training programmes. The campus provides links between all three educational sectors.

**South West Campus**

ECU South West, is a regional campus in Bunbury, approximately 200 km south of Perth.

The campus has an idyllic rural setting overlooking the City of Bunbury. The Schools of Arts and Humanities, Business and Law, Education, Engineering, and Nursing and Midwifery offer programmes designed to meet the needs of a fast-growing region.
Edith Cowan University’s strategic direction is described in “ECU Strategic Plan 2017-2021 – World Ready”. In defining ECU’s strategy the University has identified five strategic themes that guide our endeavours at all levels, serving as reminders of the ethos of the University, and the way we differentiate ourselves.

**The five themes are:**

**Theme 1:**
Dedication to our students;

**Theme 2:**
Connecting with our community and the world;

**Theme 3:**
Building Strategic Partnerships and collaborations;

**Theme 4:**
Fostering strong alumni relations; and

**Theme 5:**
Promoting, equality, diversity and social responsibility.

### Our Strategic Goals and Objectives

**Goal 1:**
**Enhancing learning and teaching**
ECU will continue its focus on the student experience, outcomes and teaching excellence, and will use contemporary learning technologies in innovative ways to enrich students’ learning experiences.

**Goal 2:**
**Advancing research and knowledge translation**
ECU will extend its research base, and the quality of research so that all the research we do is world class. This goal is critical to the future development and sustainability of ECU and will require a step-change in ECU’s research capacity and the development of a strong and supportive research culture.

**Goal 3:**
**Growing internationalisation**
ECU aspires to become a leader in international student education and to be recognised for our international enterprise. We will provide opportunities for more overseas students to participate in ECU programs by increasing our onshore enrolments and by expanding our international presence through teaching delivered in locations outside Australia.

**Goal 4:**
**Ensuring organisational sustainability**
To deliver our strategic goals, we need our university to maintain a high-performance culture, service excellence and the very best infrastructure, all underpinned by a sound financial base.
Research Profile

ECU conducts world-class research that makes a difference through our focus on people, partnerships and results. As part of the vibrant community at ECU, our researchers help to transform lives and change the world for the better. We have diverse foci for our research, bringing together multi-disciplinary teams to achieve extraordinary outcomes.

Our Research Themes include:

• Aboriginal Culture, Education and Health;
• Business and Management;
• Communications and Creative Arts;
• Culture, Society, Psychology, Law, and Justice;
• Ecology and Environment;
• Education;
• Engineering and Information Technology;
• Health and Medical Sciences (especially Neuroscience, Nursing, Biomedical and Clinical Sciences, Human Movement and Sports Sciences); and
• Security, especially Cybersecurity.

ECU's research in these fields meshes with, and contributes to, both Federal and State Government identified research priority areas.

ECU's research is very much focused on finding solutions to real world problems. This is highlighted by the range of industry partners we engage with, and the level of industry funding contributed to our research programs. Projects that range from environmental science and agribusiness, to advanced photonic/optical materials and health, have delivered almost $7 million to ECU through industry funding.

ECU's partnership activities have focused on building common technical and methodological platforms for ongoing collaboration, and building a critical mass of high quality research expertise at ECU, in turn generating world-class research outcomes and sustainable new research programs, which attract competitive grants funding.

Research Training

ECU's research training environment is fully committed to the research student experience, and has innovative and successful support programmes for Masters and Doctoral degree students. Our higher degree by research students and graduates rate highly the support provided to them by their supervisors and ECU's Graduate Research School (GRS).

According to the 2016 International Student Barometer, ECU's Graduate Research School has been rated at the top of twenty participating universities in Australia. This result sees us rated among the top three in Australia every year since 2011 with satisfaction of 95% or higher.

ECU has taken a lead role in the development of the Good Practice Framework for Research Training in Australia, which has been instrumental in promoting high quality standards nationwide, and is a reference document for the national Higher Education Standards Panel.

ECU is Active with International Partners

Our researchers are engaged in active collaborations around the world. ECU has 65 International Partnerships across 27 countries – Austria, Belgium, Bulgaria, China, Czech Republic, England, France, Germany, India, Italy, Japan, Malta, Netherlands, Norway, Romania, Saudi Arabia, Scotland, Singapore, Slovakia, Slovenia, Sweden, Sri Lanka, Spain, Switzerland, Taiwan, US and Vietnam.

Research Income

ECU secured in excess of $25.8 million in research income in 2016 which includes almost $4 million from Australia’s premier research funding body, the Australian Research Council, since 2013. Research projects funded covered a range of topics including social media, music, energy capture, agribusiness, social welfare, exercise science and photonics. ECU is increasing its strategic research investment with a focus on increasing external research collaborations and building research capacity.
Research Publications

More than 14% of ECU’s publications over the 2011-2016 publication range are amongst the top 10% most cited outputs in the World. ECU’s percentage of publications in the top 10% in the World has remained above the World average for each of the six publication years.

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<tbody>
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<td>17.1</td>
<td>18.2</td>
<td>15.8</td>
<td>17.0</td>
</tr>
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<td>13.6</td>
<td>13.7</td>
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<td>17.4</td>
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<tr>
<td>World</td>
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<td>10.3</td>
<td>10.1</td>
<td>10.3</td>
<td>11.2</td>
<td>10.1</td>
<td>10.4</td>
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ECU Publications with International Collaboration

Almost 39% of ECU’s publications over the 1996-2016 publication range have involved international collaboration, with the percentage of outputs with International Collaboration increasing from 19.5% in the 1996 publication year, to 35.4% in 2006 and 51.4% in 2016. ECU’s percentage of outputs with international collaboration has consistently remained above the World¹ average of the past 20 years and is near parity with the Australian average in the 2016 publication year (51.4% for ECU compared with the Australian average of 52.0%).

¹ The World refers to the totality of outputs indexed in the Scopus citation database.

Subject Areas of ECU Publications

The table below lists the ten largest subject areas² associated with the 3,386 ECU-affiliated publications³ published between 2012 and 2016. Remaining subject areas are aggregated together under the Other category.

<table>
<thead>
<tr>
<th>Subject Area</th>
<th>Publications (2012 to 2016)</th>
<th>% of Total Publications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medicine</td>
<td>1259</td>
<td>37.18%</td>
</tr>
<tr>
<td>Social Sciences</td>
<td>691</td>
<td>20.41%</td>
</tr>
<tr>
<td>Computer Science</td>
<td>357</td>
<td>10.54%</td>
</tr>
<tr>
<td>Engineering</td>
<td>338</td>
<td>9.98%</td>
</tr>
<tr>
<td>Biochemistry, Genetics and Molecular Biology</td>
<td>329</td>
<td>9.72%</td>
</tr>
<tr>
<td>Agricultural and Biological Sciences</td>
<td>309</td>
<td>9.13%</td>
</tr>
<tr>
<td>Health Professions</td>
<td>309</td>
<td>9.13%</td>
</tr>
<tr>
<td>Environmental Science</td>
<td>283</td>
<td>8.36%</td>
</tr>
<tr>
<td>Psychology</td>
<td>267</td>
<td>7.89%</td>
</tr>
<tr>
<td>Business, Management and Accounting</td>
<td>246</td>
<td>7.27%</td>
</tr>
<tr>
<td>Other</td>
<td>1517</td>
<td>44.80%</td>
</tr>
</tbody>
</table>

² The subject areas are from the Scopus All Science Journal Classification (ASJC) subject schema.
³Publications can be associated with more than one subject area.
ECU has been ranked the top public university in Australia for student satisfaction in the QILT (Quality Indicators for Learning and Teaching) released in 2017. Results showed 86.1% of students were satisfied with their educational experience at ECU. We were also the top WA public university for teaching quality, support, resources and skills development.

Five-Star Teaching
ECU has received a five-star rating for teaching quality for eleven years in a row in the 2018 Good Universities Guide.

One of the world’s best young universities
ECU has been named in the Times Higher Education Young University Rankings for 2017, recognising the world’s best 200 universities under the age of 50. The rankings are a global showcase of a new breed of university. They focus on performance indicators such as research, teaching excellence, international outlook and innovation, and highlight universities that are developing at an exceptional rate.

2017 U-Multirank
ECU has received the second-highest number of ‘A’ scores among the 29 Australian universities surveyed in the 2017 U-Multirank edition.
U-Multirank is the largest global university ranking, showcasing close to 1,500 universities from 99 countries across the world. It shines a spotlight on high-performing universities. ECU’s nine ‘A’ scores included strategic research partnerships, international academic staff, international doctoral degrees and bachelor and masters graduates working in the region.

Building Research Capability
ECU’s research funding has steadily increased in recent years. We were awarded more than $25 million in research grant funding in 2016.

ERA Ratings
In the most recent Excellence in Research for Australia (ERA) assessment (2015), ECU had three disciplines awarded the highest rating of 5, deemed “well above world standard” for Ecology, Neurosciences and Nursing. ECU received above world standard ratings for Clinical Sciences, Environmental Science and Management, Oncology and Carcinogenesis, and Materials Engineering. ECU received “world standard” ratings for Business and Management, Human Movement and Sports Science, Communication and Media Studies, Biochemistry and Cell Biology, Nutrition, and Dietetics.

Electron Science Research Institute

Industry-Led Research
ARC Linkage Project funding of $360,000 was awarded to Professor Kamal Alameh, Director of the School of Science’s Electron Science Research Institute, in 2017 for a project working with industry partner Lazcath Pty Ltd. Professor Alameh’s research seeks to develop a new hybrid fibre-optic/radio frequency catheter system and user-friendly driving software to assist cardiac electrophysiologists to perform non-invasive, microscopic lesion formation assessments.

ECU Health Centre
This new facility, incorporating the Wanneroo GP Super Clinic, opened in September 2014. The state-of-the-art, $22 million Centre has more than 3000sqm of clinic space spread over three floors. This ‘one stop shop’ brings together a range of primary care services to work together to provide high-quality care for patients, their families and carers.

THE LINK
Developed by ECU, in collaboration with the City of Joondalup, THE LINK seeks to grow business through research, innovation and connections. THE LINK acts as a catalyst to connect industry with academic researchers to develop innovative solutions to solve real-life problems, foster growth, competitiveness and facilitate commercialisation of innovations to benefit the broader community. For further information visit THE LINK website: https://thelink.space/
My career at ECU has been focused on undertaking research activities across key disciplines that allow active engagement with the community and industry partners, enable high-impact publications, and ensure that ECU is well positioned to progress faster to the next level. With support from ECU, we have created a world-class research infrastructure and state-of-the-art 256sqm clean-room facility for micro/nano fabrication and characterisation as well as photonic and electronic laboratories. I moved to the Electron Science Research Institute (ESRI) in 2003 to pioneer the integration of microelectronics and photonics. ESRI’s mission is to facilitate and promote high-quality, industry-driven, research in photonics, electronics and materials science to develop solutions for applications in the ICT, health, agri-bio, green energy, environmental sensing, security, and defence sectors.

ESRI brings together researchers, postgraduate students, and national and international collaborators to find practical solutions, based on emerging technologies, to issues faced by industry. Throughout the last 12 years with ESRI, I have managed, through continued support from ECU and external R&D grants, to establish a stimulating and challenging research environment with truly multidisciplinary strengths. This has produced breakthrough concepts to allow revolutionary progress in electronics, photonics and materials science research.

ESRI’s projects and facilities have been undergoing rapid expansion since moving to a brand new, purpose-built $50 million building in 2011.

Our researchers have generated many high-impact publication outputs including Nature Communications and Nature Scientific Reports articles and our patented technologies have created the foundations for several start-up companies. In 2007, ESRI was the recipient of the WA Inventor of The Year Award for “High-speed chip-to-chip optical interconnects”.

Professor Kamal Alameh
Director, Electron Science Research Institute (ESRI)
ECU
Mine Closure Research

ECU’s Mine Water and Environment Research Centre (MiWER) was formed in 2007 as a result of ECU’s involvement in the State Government Centre of Excellence for Sustainable Mine Lakes. Associate Professor Mark Lund, current Principal and Co-Founder of MiWER, has been researching the long-term legacy of pit lakes across the mining industry to develop strategies that can be used to reduce those legacies.

Micro- and Nano- Photonic Fabrication

ECU’s world-class Micro- and Nano- Photonic fabrication and characterisation facility at the Electron Science Research Institute comprises a 256 m² clean-room facility for research and development into micro- and nano-technology. The clean-room is equipped for material growth, etching, characterisation, metallisation, photolithography, thermal and e-beam evaporation, RF magnetron sputtering, focused ion beam milling, electron microscopy, atomic force microscopy, spectrophotometry, and fluorometry.

Aboriginal and Torres Strait Islander Research

Aboriginal and Torres Strait Islander research is carried out throughout the University with two main foci of activity at Kurongkurl Katitjin and The Australian Indigenous HealthInfoNet.

Kurongkurl Katitjin, Centre for Indigenous Australian Education and Research

Kurongkurl Katitjin, pronounced koor-ong-kurl cut-it-chin, is a Nyoongar phrase meaning “coming together to learn”. The Centre’s mission is to “provide excellence in teaching, learning and research in a culturally inclusive environment that values the diversity of Indigenous Australian history and cultural heritage”. Kurongkurl Katitjin is currently investigating cross-cultural perspectives and exploring resonances between traditional and Western knowledge bases.

Australian Indigenous HealthInfoNet

The Australian Indigenous HealthInfoNet is an innovative Internet resource that aims to inform practice and policy in Indigenous health by making research and other knowledge readily accessible. In this way, it contributes to ‘closing the gap’ in health between Indigenous and other Australians.

ECU’s work in the area of translational research with a population health focus – in which HealthInfoNet is a world leader – makes research and other information available in a form that has immediate, practical utility for practitioners and policy-makers in the area of Indigenous health, enabling them to make decisions based on the best available evidence.

It has been my pleasure, since 2006, to include a wonderful colleague Professor Lelia Green from Edith Cowan University (ECU) on the International Advisory Panel of EU Kids Online.

As the research developed in the years that followed, ECU’s whole-hearted support of this international collaboration allowed EU Kids Online to engage fully with several ECU researchers, including Dr Donell Holloway. This resulted in co-publication and an Australian Research Council-funded joint research project around very young children’s digital lives.

Sonia Livingstone OBE
London School of Economics and Political Science
Edith Cowan University has an amazing energy for engagement on the one hand and transformation on the other.

Although I have worked here for almost thirty years, the dynamism of the place excites me in a way in which my seven years with BBC Television failed to do. Working at ECU is intellectually challenging, emotionally satisfying and personally rewarding. Colleagues and students help create a friendly and supportive environment.

In my core areas of research – Communications and Media Studies on the one hand, and Cultural Studies on the other – the School of Arts and Humanities is amongst the most successful grant winners in Australia, and the outstanding performer in the State. ECU encourages excellence and collaboration, no matter where in the world these opportunities arise. For example, since 2006, I have been closely involved with three international networks funded by the European Commission’s Safer Internet Programme, COST Action networks and 7th Framework Programme. The University was whole-hearted in supporting these international engagements. Earlier in my career, before I was a Professor, ECU also supported my work with the United Nations-endorsed Digital Review of Asia Pacific, which took me to three East Asian countries.

The ECU research office invests in areas that combine excellence and opportunity, and supports both.

Although my research involves lots of travel, I’m always glad to get back home. Perth is a gorgeous place to live. I originally planned to come to Australia for only five years, but it turned out to be the ideal city in which to make my home and raise a family. It’s visually beautiful and culturally vibrant with an active arts scene and numerous opportunities to make the most of an energising mediterranean-style climate. ECU’s social and built environment complements this context.

Lelia Green
Professor of Communications
ECU

Chief Investigator, ARC Discovery Toddlers and tablets: exploring the risks and benefits 0-5s face online. International member Cost Action IS1410 – The Digital Literacy and Multimodal Practice of Young Children

Creative and Performing Arts

The research centres of the School of Education, School of Arts and Humanities, and WAAPA provide for a diverse range of creative research interests and activities. Practice-led research, where research methods, and processes are tailored to respond to practice, and practice to research may be found within performance and exhibitions-based research activities.

Research centres in the creative and performing arts include:

- The Centre for Research in Entertainment, Arts, Technology, Education and Communications (CREATEC), which aims to increase creative research output and programs that benefit the community through collaborative research within the Faculty.
- The Music Research Group, here investigators probe instrumental techniques, notational media, interpretive concepts, historic contexts, and sonic interference to examine the intangibles of auditory sensations in which we are enveloped.
- The Dance Research Centre, which takes creative arts practice through choreography, pedagogy, and performance as its particular focus of investigation, aims to give voice to an endeavour traditionally associated with the non-verbal body.

WAAPA

The Western Australian Academy of Performing Arts (WAAPA) at Edith Cowan University is one of the world’s leading performing arts academies. WAAPA is recognised nationally and internationally for the quality of its graduates and boasts a unique world-first collection of antique pianos, which will drive research in WAAPA in the future. It provides the most comprehensive range of performing arts training in Australia – both on stage and behind the scenes. Entry into each course is competitive, and prospective students undertake an audition and/or an interview as part of the application process.
My area of expertise is cyber security, an area that has rapidly developed in both importance and relevance over the last 20 years as we become increasingly dependent on Information and Communications Technology (ICT) to run our economies and many facets of everyday life.

ECU is a relatively young university, still very much in a phase of growth and expansion, providing scope to cultivate new ideas, often with greater freedoms than other more established and traditional universities. Recognising cyber security as a niche capability that will have growing importance in Australia and globally, ECU had the leadership and forethought to move forward in developing cyber security as a core capability in the university in the late 1990s. Our research programs have since grown from an initial school group in 2003 with two research active staff members and three PhD students, to in 2017 being the world recognised ECU Security Research Institute (ECUSRI) with 25 Doctorates and 13 active research staff and a purpose built, highly secure, cyber security facility on the Joondalup Campus.

The ECUSRI conducts research across four key themes of Critical Infrastructure Security, Cyber Security, Digital Forensics and Human Security, and involves researchers from the School of Science, School of Arts and Humanities and the School of Business and Law, reflecting a multi-disciplinary approach to our research. Building upon ECU’s vision of engagement and contribution to the local, national and international community, we have ongoing partnerships with major industry, government and academic partners.

Our most recent achievements include the June 2017 announcement by the federal government awarding ECU the co-lead role in the national effort to boost Australia’s cyber security capability through the country’s first Academic Centres of Cyber Security Excellence (ACCSE). These centres will help meet the unique challenges faced in the digital age by providing graduates from the centres of excellence with the best knowledge to meet the needs of the cyber industry, business and government. ECU was also the leading institution responsible for the development of Australian Cyber Security Research Institute (ACSRI). Strongly aligning with the core values of ECU, ACSRI is a research institute designed to be a collaborative research platform to bring together academia, industry, and government to research cyber security issues for Australia.

Professor Craig Valli
Director, ECU Security Research Institute

E-Research Facility
As a Pawsey Supercomputing Centre partner, ECU has a Motion Capture Facility provisioned with high performance computers and other equipment including; eye-tracking technology; camera and projection technology (including a 360° LadyBug camera and a stereoscopic projector system); and display technology (including an iDome and a 6 x 46" tiled display). This technology is being used by the Western Australian Academy of Performing Arts. Motion capture technology is being combined with the expertise of a specialised biomechanist into the elite dance program, with the aim of improving teaching and preventing injuries. The resulting research environment is unique internationally and is one of the few facilities world-wide to enable advanced research in dance.
My research career in the field of Ageing and Alzheimer’s disease (AD) has spanned the past 30 years. In 2004, I was appointed by Edith Cowan University (ECU) to the Inaugural Chair in Ageing and Alzheimer’s. I am the instigator and director of the Western Australian government funded Centre of Excellence for Alzheimer’s Disease Research and Care.

With the ongoing sterling support from ECU, I have successfully built a substantial and world-class research and clinical capacity in Western Australia with active links to international peers at the forefront of the battle against Alzheimer’s disease. Recognising collaboration and teamwork on a global scale as key to solving this enormous scientific and medical challenge in Alzheimer’s disease, I have led innumerable global collaborations facilitating international knowledge transfer. In the process, I have established not only Western Australia but Australia as a world leader in Alzheimer’s research.

Research outputs have been epitomised by the establishment of sustained, user-driven and collaborative research centres with critical mass and expertise, namely, the Dementia Collaborative Research Centre, Cooperative Research Centre for Mental Health, and the Centre of Excellence for Alzheimer’s Disease Research and Care, which have emphasised the importance of collaborative arrangements to maximise the benefits of research and to achieve high levels of outcomes in adoption, knowledge transfer, and commercialisation.

My team has been immensely successful in the Dominantly Inherited Alzheimer’s Network (DIAN) study, funded by the US National Institute on Aging (NIA), one of the largest funding bodies for biomedical research in the world. The Australian Imaging Biomarkers and Lifestyle (AIBL) study of Ageing, a foremost multi-centre prospective longitudinal study initiated in 2006, and has brought together Australia’s leading researchers in Alzheimer’s disease in partnership with the Commonwealth Scientific and Industrial Research Organisation (CSIRO) and places Australia at the forefront of the field globally. AIBL has already received recognition in some of the world’s leading scientific journals including Science, Lancet, and the Annals of Neurology.

My team at ECU is well placed to take our research program to the next level through its ever expanding multidisciplinary network for which I have spent the last two decades creating the foundation and influencing the direction of international research on all these fronts. Significant opportunities exist to strengthen and expand research capacity in this vital area and to place ECU strategically as the hub of national and international collaboration for these pivotal activities resulting in world class research outputs.

Professor Ralph Martins
Foundation Chair in Ageing and Alzheimer’s
ECU

World Leading Alzheimer’s Disease Research

Based at ECU’s Joondalup Campus and led by Professor Ralph Martins AO, the Centre of Excellence for Alzheimer’s Disease Research and Care is a leader in research into the cause and treatment of Alzheimer’s disease. The Centre counts local and international Universities, medical research institutes and hospitals among its partners.
High Impact Exercise Medicine Research

ECU in partnership with Genesis Cancer Care in Joondalup established an exercise clinic alongside its treatment suites to provide patients with supervised prescribed exercise programs. As part of the program, patients participate in an exercise program on the same day they receive chemotherapy or radiation treatment. ECU’s exercise clinic at Genesis Cancer Care is largely the result of the work of ECU’s Exercise Medicine Research Institute, led by Co-Directors Professor Rob Newton and Professor Daniel Galvão.

My principal research focus is exercise medicine for the management of cancer and treatment side-effects, with particular emphasis on identifying and understanding the biological mechanisms by which exercise medicine suppresses tumour progression. I have spent much of my career working in the elite athlete environment researching the effects of physical training on human performance.

In 2002, I made a big decision to move from one of the leading universities in my field in North America to ECU. At the time I had National Institutes of Health (NIH) funding, established networks, industry partnerships and excellent university support. But ECU offered the chance to grow my research team and career, as well as enjoy the lifestyle offered by Western Australia.

In my field of medicine and health, Perth in Western Australia is a particularly vibrant environment for research collaboration. There is a high concentration of world-class facilities, research scientists and clinicians developing and translating internationally competitive solutions to contemporary health issues. The openness and collegiality of academics and clinicians in Perth is exemplary and very refreshing. ECU provides a very high level of support for research leaders to excel, grow their team and capability to be able to compete nationally and internationally for research funding, industry engagement and publication. This support features targeted funding for early career researchers, support for postdoctoral fellows, ready availability of excellent scholarships for quality postgraduate research students, very generous cash and in-kind contributions to industry and competitive external grant applications, and a strong commitment to infrastructure development and equipment acquisition.

The existing facilities at ECU are world standard for research and teaching and engagement activities. The buildings and equipment are modern, and new infrastructure is constantly being added.

Deciding to move from the United States to ECU was a big decision at the time. But I was able to maintain all of my links in the US, and over the past decade my network has expanded greatly in particular into Europe, the Middle East and Asia where the most exciting expansions in my field are occurring. I now have strong international research collaborations. Industry partnerships have actually increased since moving to Western Australia, including several multinationals. There are also numerous smaller start-up and established biomedical companies in Western Australia which are exciting to work with and are highly engaged with local researchers.

Professor Robert Newton
Co-Director, ECU Health and Wellness Institute
I have been following and citing the excellent research from ECU in exercise and cancer for many years and in 2014, I visited their Exercise Medicine Research Institute (EMRI). The facilities are world-class and the research environment is vibrant and successful contributing substantially to improving outcomes for people with cancer. I was particularly pleased to see the translational work being done providing distinctive services directly to cancer patients in a University clinic which in my experience is quite unique.

Kerry S. Courneya, PhD
Professor and Canada Research Chair in Physical Activity and Cancer
Director, Behavioral Medicine Laboratory and Fitness Center University of Alberta

Engineering Research Facilities
The School of Engineering at ECU is equipped with state-of-the-art research facilities that have been designed to support industry-engaged research. Our researchers work in close collaboration with industry to solve real-world problems and develop innovative and sustainable solutions. ECU has a large number of dedicated engineering research laboratories for materials engineering, hydraulics and water resources, smart energy systems, wireless communications, embedded systems, instrumentation and sensors, structural engineering, manufacturing, geotechnical and geoenvironmental engineering, chemical and process engineering, thermofluids, environmental engineering, and, energy and environmental catalysis.

Health Simulation Centre
The ECU Health Simulation Centre is considered world-class in the field of simulation training, delivering realistic immersive scenarios on a large and distributed scale. The Centre is also a hub for targeted research across industries, including health, defence, law enforcement and mining. Current projects include investigating how simulation-based learning translates into actual behavioural change in real settings; measuring how basic and sophisticated moulage, social evaluation anxiety and high-fidelity simulation training can increase situational awareness and clinical decision-making; assessing cognitive overload and anxiety during training using physiological measures and eye-tracking; the development and psychometric validation of a simulation authenticity/immersion scale; validating the use of serious games; and critical incident decision-making surrounding use-of-force in police training.

Professor Cobie Rudd and ECU’s fully-portable inflatable simulation marquee, just one of the Centre’s many resources.
ECU Research Institutes

ECU currently has four internationally-recognised Research Institutes in the areas of security science, electron science; health and wellness, and education.

Electron Science Research Institute

The Electron Science Research Institute (ESRI) carries out fundamental and applied research in microelectronics, photonics, and nano-technology to develop novel integrated intelligent structures for applications in the ICT, Health, Agri-bio, Security, Sensing, Defence, and Environment sectors.

The Institute’s environment creates a dynamic frontier for postgraduate research and provides access to state-of-the-art facilities, including a new Clean Room, attracting industry and government to engage in research projects.

Edith Cowan Institute for Education Research

ECU has been named in the top 250 QS World University Rankings 2017 for Education Studies. ECU’s commitment to Education research impacts at all levels of teaching, from pre-primary through to primary, secondary and tertiary stages of education. ECU researchers have internationally recognised expertise in development of research programs for numeracy and literacy, the use of technology in teaching and learning, early childhood experiences, and the integration of research outcomes into its on teacher education programs.

The Edith Cowan Institute for Education Research is undertaking research into science education that involves teachers and students doing real science in their classrooms and using multiple video technologies to capture the interactions.
I am a tenured teaching and research Professor at ECU. I lead a vital and successful research group, in collaboration with leading melanoma researchers and clinicians locally, nationally, and internationally.

With sustained support from ECU, I have spearheaded melanoma biomarker research in Western Australia and secured millions of dollars in funding from the Federal National Health and Medical Research Council (NHMRC), and the Australian Research Council, as well as the Cancer Council of Western Australia and numerous funding partners including Merck Sharpe and Dohme (USA), Sengenics (Singapore) and Genoskin (France).

Continuing to develop a research culture at ECU is at the forefront of strategies to develop the University, with continuous ongoing restructuring to expand ECU research. Sound investment in several outstanding researchers performing cutting edge translational research, has seen the research culture develop.

ECU has made a significant investment in purpose built laboratories housing state-of-the-art equipment for research and teaching. There is also a whole-of-university interdisciplinary approach to research investment, ensuring wider uptake, stronger support and collaboration in the use of state-of-the-art technologies, particularly between the biosciences, sciences and engineering facilities, both within and between universities.

Professor Mel Ziman
Leader of the Melanoma Research Group
ECU

ECU Health and Wellness Institute

Edith Cowan University’s Health and Wellness Institute is an inter-disciplinary alliance of teams and individuals researching and translating exercise as medicine for prevention and management of chronic disease and injury. In partnership with national and international networks, it enhances collaboration and promotes integration of exercise into medical and allied health professional practice for the benefit of individuals, communities and populations.

ECU Security Research Institute

The Security Research Institute (SRI) was established in 2012 and conducts research in four broad theme areas of digital forensics, cyber security, critical infrastructure security and human security. SRI draws on expertise from the Schools of Science, Arts and Humanities, Business and Law along with a widely experienced and credentialed group of adjunct staff who have deep subject matter expertise and practical experience in almost all domains of security, reflecting a multi-disciplinary approach to its’ research.

ECU’s Security Research Institute produces world class academic and industry-led research, and provides workforce ready training for cyber security professionals through its cyber security programs. In mid-2017, ECU’s cyber security program was recognised as top of the class, after the University was awarded almost $1 million in government funding to further advance its training of cyber security professionals. The funding positions ECU as one of just two Academic Centres of Cyber Security Excellence in Australia, and the only one in Western Australia.
My research focuses on the study of a variety of key, global environmental processes in both the present day and geologic past, using a suite of stable and radioactive tracers, either natural or artificial, as novel proxies. These include C, N, P, metals and radioactive isotopes ranging in half-lives of a few days to thousands of years (e.g., Be-7, Sr-90, Cs-137, Po-210, Pb-210, Rn-222, Ra isotopes, Th isotopes, Pa-231, Pu isotopes and U isotopes).

I was on sabbatical in Perth in 2015 when I was presented with the opportunity to join ECU. The objective was to establish an Environmental Radioactivity Laboratory, under the umbrella of a new program aiming to enhance research at this university. It was a challenge, since my area of research is relatively limited in Australia and I already had a strong activity in both teaching and research in Barcelona. I feel the continued support from ECU at various levels and enjoy the way of life in Perth.

Professor Pere Masque
Professorial Chair in Environmental Radiochemistry
School of Science

I am currently the director of the Centre for Integrative Metabolomics & Computational Biology (CIMCB) at ECU, and the Deputy Director of the Australian National Phenome Centre (Perth Consortium, Australia). In March 2016, I was appointed Professor of Biostatistics and Data Science at ECU as part of the Professorial Research Fellowship initiative. Within 12 months, I have established the new Centre for Integrative Metabolomics & Computational Biology at the School of Science. Establishment of this $3M analytical chemistry facility was primarily achieved through a very supportive and forward thinking university senior management, and extensive resources provided by the School of Science. ECU’s proactive attitude to growing its research infrastructure allowed me, and my ECU collaborators, to rapidly establish a working relationship with our industrial partner Thermo Fisher Scientific. This has developed into a very productive collaboration that is growing in scope day-by-day. The flexibility and nimbleness of a small, but dynamic university is allowing ECU to shine in the current fast moving research environment.

Professor David Broadhurst
Professor of Data Science and Applied Biostatistics
Director, Centre for Integrative Metabolomics and Computational Biology
School of Science

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Professor Pere Masque
Professorial Chair in Environmental Radiochemistry
School of Science

Hear from some of our Professorial Research Fellows
I am a fortepianist with a life-long interest in the performance of 17th, 18th and early 19th century keyboard instrument repertoire using instruments of those eras, the design of historical keyboard instruments, and the role of the piano in society. The Western Australian Academy of Performing Arts (WAAPA) at ECU is one of the world’s leading performing arts schools, with an impressive faculty and many distinguished alumni. The beautifully liveable city of Perth makes it a double pleasure to work here. Since I joined ECU, my work has included new discoveries from seeking to identify the first piano that arrived in Australia on HMS Sirius, the publication of a monograph “The First Fleet Piano: A Musician’s View” (ANU Press), and the generous donation of the Stewart Symonds Collection (comprising 140 historical keyboard instruments) to ECU. The next exciting phase of this piano project will be the conservation, preservation and investigation of pianos from the collection, in collaboration with other areas of ECU and experts in materials conservation, mechanical and materials engineering, nanotechnology, instrument restoration, and historians.

Professor Geoffrey Lancaster  
AM PhD FAHA  
Western Australian Academy of Performing Arts (WAAPA)

My background is in diagnostic microbiology and I did my PhD while working in a routine clinical microbiology laboratory. I have had a long standing interest in healthcare-related infections, particularly the diagnosis, pathogenesis and epidemiology of Clostridium Difficile Infection (CDI) caused by an organism I’ve studied for nearly 40 years.

In the last 15 years, CDI has become the most common healthcare-related infections in the developed world and many thousands of people have died in several highly publicised hospital epidemics, however, a worrying trend has been the increase in CDI outside hospitals in the community. My current research focus is to find out what is driving this increase in community-acquired CDI and my move to ECU was prompted by a desire to spend more time researching this important problem. My role as a Professorial Research Fellow at ECU’s School of Medicine & Health Sciences allows this.

Professor Thomas V Riley  
Professor of Microbiology  
School of Medical and Health Sciences
My field of research is the control of movement in people. That is, how our brains and nervous systems control our muscles. We don’t often think about it, but control of muscles is vital for everything we do. Impaired control of muscles underlies disability across a wide range of disorders such as stroke, spinal cord injury, multiple sclerosis, cerebral palsy, Parkinson’s disease, after immobilisation, and in ageing. Currently, with three colleagues at Neuroscience Research Australia in Sydney, I am a Chief Investigator of the NHMRC Program Grant, Motor Impairment.

I was attracted to ECU because of its commitment to supporting research, as well as teaching and making a difference in the community. Exercise and sports sciences are research strengths at ECU. My research on the nervous system will complement existing research on muscles, metabolism and performance and I look forward to many opportunities for collaboration.

Professor Janet L Taylor
Professor of Human Neurophysiology
School of Medical and Health Sciences

My research focuses on issues of quality and equity in health and physical education and sport. At a local, national and international level my projects address policy and curriculum developments in these fields and seek to involve policy-makers, teachers, coaches and other agencies in re-thinking how to best support and enhance participation and learning. My research thus addresses key challenges and opportunities facing teachers, coaches and others looking to lead innovation in policy and practice. A significant aspect of my work particularly focuses on issues we need to consider if we are seriously committed to gender equity in physical education and sport.

The opportunity to return to ECU and join colleagues similarly committed to making a difference to young people’s lives is tremendous. ECU’s strong commitment to meaningful industry collaboration aligns with my personal values and will undoubtedly enhance my research.

Professor Dawn Penney
Professor of Physical Education
School of Education

In 2016 I was attracted to ECU to take up a Professorial Research Fellowship. I was impressed with the commitment of ECU to enhancing research capacity in a number of areas of strength within the University. It was clear that research at ECU is experiencing strong growth, guided by successful strategies to develop and enhance the research culture. Since joining ECU in November 2016 it has become evident that the University has a vibrant research community that actively supports students and staff researchers.

My research explores dietary approaches to enhance vascular health. In January 2017, I was awarded a National Health and Medical Research Council Senior Research Fellowship to conduct research on this theme. Cardiovascular disease remains the leading cause of death worldwide. Increasing fruit and vegetable intake is a foundation of lifestyle approaches to reduce cardiovascular disease risk. However, our knowledge why and how plant foods provide protection is still limited. Therefore, my research program involves the conduct of human intervention studies and observational studies in large cohorts to investigate why and how plant foods provide protection against cardiovascular disease. Outcomes of the research connect several components of fruits and vegetables with better vascular health.

Professor Jonathan Hodgson
Professor of Nutrition and Epidemiology
School of Medical and Health Sciences
Prior to my appointment at ECU, I was the Interim Director of the Global Business Innovation Research Platform at RMIT University. My most recent projects examined the impact of organisational change on the well-being and performance of public sector employees in Australia, New Zealand, the United Kingdom, the USA and Italy. My research is in the areas of Strategic Human Resource Management (including Human Resource Roles and Effectiveness) Change Management, Job Stress and Wellbeing, Negative Workplace Behaviors, and Public Management.

Since I joined ECU in November 2016, I have published a number of refereed journal articles in high impact journals in the field of Business and Management and Public Management. I am leading an inter-disciplinary research group on Work and Performance where members are from the School of Business and Law, School of Nursing and Midwifery, School of Medical and Health Sciences, and School of Arts and Humanities. I am looking forward to connecting ECU to my research networks in the Asia Pacific region, USA, and the UK.

**Professor Stephen Teo**
Professor of Work and Performance  
School of Business and Law

I am a human clinical neuroscientist who has spent the past decade in New York and Boston at Burke-Cornell and Harvard University respectively. My group studies motor recovery after neurological damage including adult stroke, spinal cord injury, and cerebral palsy. This work incorporates emerging technologies of transcranial magnetic stimulation, and rehabilitation robotics. I am advancing these therapies, examining efficacy and biomarkers of recovery, as well as investigating novel combinatorial therapies such as with new drugs or dietary modification. Edith Cowan University is young and vibrant, rapidly rising to serious research productivity status on the International stage, and is well positioned geographically and economically for success in clinical research. My vision is to have ECU as a leader in clinical neuroscience research, by partnering with Western Australian, Interstate and International hospitals.

**Professor Dylan J Edwards**  
Professor of Neuroscience  
School of Medical and Health Sciences
I was attracted to ECU as it provided the opportunity to integrate with a vibrant, expanding research intensive university with expertise in areas of research that complement areas that I work in.

My research brings opportunities for new National Health and Medical Research Council (NHMRC) funded projects in the fields of human liver disease and iron overload disorders. These will result in new collaborations and opportunities for higher degree students to work with well established research teams. This year I have submitted 5 new NHMRC project grant applications.

**Professor John Olynyk**
Professor of Translational Medicine  
School of Medical and Health Sciences

My research covers Chinese tourist behaviors, hospitality business and management in China, tourism and hospitality services marketing, and Australia-China tourism relations. Before pursuing an academic career, I worked as a central government official at China National Tourism Administration in Beijing. I joined ECU as a Professorial Research Fellow in February 2017 and presently work as Professor of Tourism & Services Marketing in the School of Business and Law. I appreciate the vision of ECU to leverage its international standing in research through the Professorial Research Fellowship Initiative. I believe this initiative provides a rare opportunity for world class researchers to boost their careers.

**Professor Songshan (Sam) Huang, PhD**
Professor of Tourism and Services Marketing  
School of Business and Law
My research work is in the area of exercise gerontology and exercise oncology. For the past 25 years I have been undertaking exercise trials in older persons examining the beneficial effects of this activity on the musculoskeletal system and physical function, with the goal of improving the quality of life and functional lifespan for older adults. Work to date clearly demonstrates a high degree of residual plasticity remaining in the ageing neuromuscular system, with numerous functional and structural benefits derived as a result of physical training. I came to ECU for two main reasons, for the opportunity to devote more time to research and to be able to work closely with colleagues in the School of Medical and Health Sciences and the Exercise Medicine Research Institute. I can say that it is an absolute pleasure to be here at ECU, it has an exceptional working environment, the facilities are world class, the campus must be one of the most attractive campuses in the country, Perth is a lovely city in which to live and spend time, and the climate is great.

Professor Dennis Taaffe
Professor in Exercise Gerontology
School of Medical and Health Sciences

I was appointed to ECU as Chair in Digital Humanities and Social Sciences, and am the Director of the Edith Cowan Centre for Global Issues. My research focuses on the transformative impacts of technology in culture and society. Digital research is opening up new understandings of our world, bringing together expertise from the arts, sciences, industry and Government.

Having worked at and visited leading universities in Australia and internationally, I was attracted to Edith Cowan University for its dynamic research culture and ambition. At ECU research is taken seriously and the current program is to recruit researchers who realise the vision of ECU being ‘World Ready’ and making a major contribution to global knowledge.

I have been particularly impressed by the quality of research and the skills and commitment of the researchers I have met at ECU, as well as the supportive work environment and resources.

Professor Paul Arthur
Chair in Digital Humanities and Social Sciences
School of Arts and Humanities
The Position

Role of the Professorial Research Fellow

A Professorial Research Fellow will provide sustained leadership in the University, primarily through demonstrating and fostering excellence in research, research training, and academic leadership and service – within the academic discipline, the academic unit, the institution and the wider community.

A Professorial Research Fellow will have a record of scholarly and professional achievement in the relevant discipline, and be able to demonstrate a reputation at the international level as a leading authority in their field. In most circumstances this will extend to community affairs, particularly those related to the discipline, and in professional, commercial and industrial sectors where appropriate.

The role of the Professorial Research Fellow in building and leading multi-disciplinary teams is emerging as a critical factor for ECU in fostering innovation and knowledge creation. This innovation is increasingly occurring through teams that work across traditional disciplines or at the interface of discipline-based knowledge with professional knowledge and practice.

The role of the Professorial Research Fellow in mentoring other academics is increasingly critical. On a practical level, this can include introducing these academic staff to established networks to support their development, and connecting them with sources of research funding, while contributing to institutional and discipline-based succession-planning through nurturing and developing the Professoriate of tomorrow.

Responsibilities

Research and Research Training

• Building and leading teams that have the capacity to develop, conduct and manage significant programs of research.

• Individually, and in teams, achieving sustained national and international reputation for exemplary accomplishment in an area of scholarship.

• Creating and maintaining an environment for research students that will motivate and enable them to achieve their respective academic goals.

• Contributing to the creation and development of new knowledge and its dissemination and application.

• Professors are expected to foster the research of other groups and individuals within a school, in related disciplines. They should introduce research students and colleagues to useful networks inside and outside the University.

Academic Leadership and Service

• Contributing to the strategic planning, policy formulation and management of the school and the university, and leading and supporting institution-building initiatives and activities with other staff.

• Enthusiastic and motivating other staff to develop the full range of their academic capability by mentoring, guiding and motivating them to achieve their individual goals.

• From activities and relationships grounded in strategic professional engagement, further developing entrepreneurial opportunities for the University that result in business and community organisations partnering or engaging with the University in research sponsorship and funding, entrepreneurial activity, and initiatives of a commercially beneficial nature.

• Mentoring and introducing other academic staff to their networks to build and strengthen the relationship base both internally within ECU and externally with the wider community.

• Being a committed advocate of, and enhancing the University’s profile and reputation in the community, regionally, nationally and internationally.

Contact us

To find out more about ECU, its facilities and researchers, please visit ecu.edu.au/professorialrecruitment

For further information on the opportunity to be a part of this exciting initiative please email professorial@ecu.edu.au

Join us as we embark on making ECU a world-class research and teaching university.
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