

## Lecturer

Ecole/Institution/Société:

**University of the Sunshine Coast, Australia / Queensland**

Discipline:

**Mechanical Engineering, Mechatronics**

Type d'emploi::

**Full-time**

Date de publication:

**2022-02-28**

Personne à contacter:

**If you wish to apply for this position, please specify that you saw it on AKATECH.tech**

### **Lecturer in Mechanical / Mechatronics Engineering**

USC is seeking to appoint a lecturer to teach and provide Mechatronics expertise into the Mechanical Engineering program. This position will teach into a range of Engineering courses with responsibility for: Internet of Things, Physics, Statics, Engineering Systems Design. The successful applicant will demonstrate expertise in one or more of the following fields:

- Mechatronics in Mechanical design
- Advanced / Intelligent Manufacturing
- Robotics and Automation
- Healthcare Engineering and
- Smart Design.

#### **At the University, a Lecturer:**

- Is an effective teacher and makes sound independent contributions to delivering teaching, learning and graduate outcomes.
- Has launched a research track record and is developing their research profile. They make positive contributions to research projects; supervise honours students and candidates for higher degrees by research; play a part in successful grant applications; and are developing a track record of publishing in quality refereed journals.
- Can demonstrate engagement within the University through contributions to governance; coordination of and participation in School capacity-building activities; and activities that contribute to the student experience.
- Is developing productive industry and community links that benefit students, the community and/or the University. For example, they can undertake consultancies and apply discipline knowledge and skills that benefit external stakeholders and partners and can be involved in activities that encourage participation in University life through outreach activities.

All staff are expected to contribute to the achievement of the University's strategic goals and priorities and provide service to the University commensurate with their level of appointment and the opportunities available to them.

#### **Duties can include:**

- The University is committed to delivering high quality teaching, learning and graduate outcomes. Teaching is a scholarly practice that includes:

- Maintaining currency in one's discipline/field
- Maintaining currency in effective learning and teaching practices, especially in one's discipline/field
- Designing, developing, evaluating and improving curricula and teaching
- Making use of appropriate technologies and media to support and enhance learning, teaching,

## **Assessment and evaluation**

Engaging students in learning in a variety of modes including: face-to-face (lecturing, tutoring, conducting workshops, simulations and in laboratories) and learning supported by online tools that enhance knowledge construction, collaboration, communication and engagement

- Supporting students to be successful learners
- Assessing, and giving fair, helpful and timely feedback on students' work
- Participating in learning and teaching development processes within and beyond the University
- High quality administration of teaching
- Developing and maintaining strategic partnerships that enhance the quality of learning and teaching within the University and beyond
- Conducting "practitioner research" into learning and teaching and communicating the outcomes of that research, particularly in quality refereed journals, and
- Contributing to the maintenance of a positive academic environment that is conducive to high levels of engagement and standards of performance in learning and teaching
- The University's aims to build research productivity and output significantly. Research is a scholarly practice that includes:
  - Purposefully developing focused expertise in a discipline/field
  - Developing a clear research agenda and participating in research teams
  - Framing research problems and researchable hypotheses
  - Designing and conducting research projects and writing research reports
  - Playing a part in successful applications for research grants, particularly external competitive grants
  - Communicating research outcomes to both expert and lay audiences through publishing, exhibiting and performing, and subjecting outcomes to peer appraisal
  - Supervising Higher Degree by Research candidates
  - Developing and maintaining strategic research partnerships
  - Being invited to conduct research with colleagues at other universities, and
  - Contributing to the development and maintenance of a positive academic environment that is conducive to high levels of engagement and standards of performance in research
- The University is committed to regional, national and international engagement and articulates the importance of partnerships and ongoing consultation and cooperation with a broad and diverse range of stakeholders. External engagement is a scholarly practice through which academic staff apply their discipline knowledge and skills to problems in the world. Through external engagement, worthwhile social, civic and professional functions are performed.
- Engagement within the University enables academic staff to contribute to achieving the University's strategic priorities through activities other than teaching and research.
- Other duties within the range of skills normally associated with this classification, including those associated with an evolving research, teaching, learning and professional environment, as required

## **Applicants need to demonstrate:**

- Completion or near-completion of a doctoral qualification or equivalent from a reputable University in Mechanical or Mechatronic Engineering.

- Effectiveness as a teacher, which is evidenced by:
- Student feedback on teaching using valid instrument/s, peerreview and/or student outcomes, and
- The capacity to conceive, develop and deliver higher education curricula and contribute to relevant areas of teaching
- Industry or Research experience related to applied mechatronics in mechanical systems, which is evidenced by [e.g.](#)
- Refereed publications;
- Participation in research teams;
- Co-supervision of candidates for honours and higher degrees by research.
- Membership of and sound connections with relevant professional bodies and community groups and/or in professional practice.
- Strong personal qualities and collegial approaches that contribute to the development and maintenance of a positive academic environment which is conducive to high levels of engagement and standards of
- Evidence of participation in academic development activities and the desire to continue to learn and improve as an effective academic.

## **Desirable**

- Experience undertaking academic administrative functions, [e.g.](#) course coordination, within a University.
- Tertiary teaching qualification

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