Unitalent
21-2 Jalan Putra Mahkota 7/7B
47650 Subang Jaya, Selangor, Malaysia
Tel: +6012-5227761
Website: www.unitalentcareer.com
Email: resume@unitalentcareer.com
JTK Licence : JTKSM014

VACANCY NOTICE

POSITION : ASSOCIATE PROFESSOR – ROBOTICS AND MECHATRONICS
LOCATION : Kuching, Sarawak (Malaysia)
INDUSTRY : Education
TYPE : Fixed Term Contract
REF : C22102026/FECS

JOB SUMMARY

The Faculty of Engineering, Computing, and Science is seeking to appoint an Associate Professor (PhD) in Robotics and Mechatronics Engineering to support Sarawak's strategic agenda of strengthening its advanced manufacturing ecosystem and fostering collaboration with international and local aerospace and high-technology industry partners.

The successful candidate must hold a relevant PhD from a recognised institution, with core expertise in robotics and mechatronics, including areas such as robotic system development and integration, robotic control, autonomous systems, embedded systems, and intelligent automation, with applications in smart manufacturing and Industry 4.0/5.0 technologies. Practical experience in robotics programming and hardware–software integration will be highly valued.

Additional professional qualifications such as Professional Engineer (PEng), IPEA or APEC Engineer are highly desirable. Candidates should have demonstrated experience in higher education teaching, a strong research track record with impactful publications, proven success in securing research grants, and experience supervising postgraduate students. Experience in industry collaboration and technology transfer in robotics, mechatronics, and intelligent automation will be highly valued.

Position Purpose

The academic staff will normally make an overall superior contribution to the research, scholarship, teaching and administration activities of an organisational unit, including a large organisational unit, or interdisciplinary area and would normally have at least one portfolio area of outstanding attainment.

The academic staff will make a superior contribution to:

- the governance and collegial life inside and outside as relevant, of the institution;
- the discipline in either teaching and learning, research and scholarship and/or leadership, service and engagement (in accordance with the weighted performance in the portfolio) that has attained recognition normally at an international level in his or her discipline (in exceptional circumstances recognition at a national level may be considered);
- original and innovative advancement of scholarship, research and/or teaching in his or her discipline (in accordance with the weighted performance in the portfolio);
- fostering research, teaching and policy development in the academic discipline within the institution and within the community, professional, commercial and/or industrial sectors; and
- leadership in creating impact from academic expertise across commercialisation, industry engagement, community engagement, and/or student innovation.

This level will normally hold a qualification at the doctoral level and can demonstrate a record of academic excellence with outstanding contribution to teaching and/or research and/or leadership. In exceptional circumstances equivalent professional experience may be considered.

Key Responsibilities Areas

The Key Responsibility Areas (KRAs) represent the primary outputs for which the position is responsible for are not intended to provide a comprehensive list of all duties. They are derived from four portfolios applicable to Associate Professor:

- Learning & Teaching;
- Research;
- University Service, Leadership, Administration and Professional Activities; and
- Innovation and Engagement.

1) Learning and Teaching

- Pursuit of innovation and excellence in teaching.
- Ongoing development of curriculum and instructional material for different programs and levels.
- Conduct of lectures, tutorials, and assessment of students' learning to ensure a high standard of quality in the learning and teaching process.
- Provision of consultation and mentoring to students.
- Continuous development of teaching, training, and mentoring expertise.
- Design and delivery of training sessions for executive participants in management development programs.
- Expansion and development of the various learning and teaching activities of the School.
- Subject to operational needs, teaching hours may be scheduled beyond office hours including weekends.
- Undertaking of learning and teaching activities and achievement of associated impact expected at the appointed Academic Level

2) Research

- Development of a portfolio of activities supporting research and scholarship.
- Dissemination of research and scholarly output through relevant platforms.
- Supervision of honours and postgraduate (including doctoral) students.
- Contribution to research training activities within the School.
- Development of research groups within the School.
- Securing external support for research activities.
- Development of collaborative research networks.
- Undertaking of research activities and achievement of associated impact expected at the appointed Academic Level

3) University Service, Leadership, Administration & Professional Activities

- Maintenance of high academic and professional standards in all areas of activity.
- Administration and development of the learning programs offered by the School.
- Administration and development of the various educational policies and management systems within the School and the University.
- Development of a vibrant academic community within the School based on openness, collaboration, and experimentation.
- Professional engagement with business and industry, in fields relevant to the School.
- Leadership in academic and professional activities relevant to the School.
- Leadership in community affairs, particularly those related to the academic areas relevant to the School.
- Undertaking of leadership and service activities and achievement of associated impact expected at the appointed Academic Level

4) Innovation & Engagement

- Commercialisation activities, including new product development, spin-out companies, licensing, or assignment of IP rights.
- Work with industry to translate research outputs or expertise into measurable impact.
- Contribute as a subject matter expert to the development of new professional learning products and/or deliver such products.

- Provide consulting services to industry in areas of recognised domain expertise.
- Attend industry forums with the objective of creating and strengthening industry partnerships (excluding academic conferences).
- Engage in media, public advocacy, or outreach activities that leverage academic expertise to create impact.
- Apply for local, national, or international awards that showcase the application of academic expertise to teaching, research, innovation, and/or engagement impact.
- Lead or contribute to internal or external communities of practice, special interest groups, professional organisations, or learned societies that advance innovation through academic expertise.
- Contribute expertise to internal innovation initiatives and/or external initiatives that build Swinburne's industry or public profile or drive educational innovation.
- Contribute to policy development and thought leadership.
- Collaborate on projects with communities, government, and other institutions.
- Engage in entrepreneurial activities (excluding teaching and research in entrepreneurship as an academic discipline).
- Lead or contribute to innovation-focused initiatives that advance new ideas, practices, or technologies, translating academic expertise into tangible institutional, industry, or societal impact.
- Undertaking of innovation and engagement activities and achievement of associated impact expected at the appointed Academic Level

JOB REQUIREMENTS

- A relevant PhD from a recognised institution.
- Registration with a recognised professional engineering body such as Board of Engineers Malaysia is required.
- Additional professional qualifications such as PEng, IPEA, or APEC Engineer are highly desirable.
- Strong expertise in robotics and mechatronics, including areas such as robotic system development and integration, robotic control, autonomous systems, embedded systems, and intelligent automation, with applications in smart manufacturing and Industry 4.0/5.0 technologies.
- Practical experience in robotics programming and hardware–software integration will be highly valued.
- Experience in industry collaboration and technology transfer in robotics, mechatronics, and intelligent automation will be highly valued.
- Significant teaching experience in higher education within a relevant discipline.
- Experience in establishing and developing successful partnerships between academia and industry is an advantage.
- A proven track record of substantial, high-quality research output with demonstrated impact and research leadership.
- A strong record of securing significant research grants.

TO APPLY

1. Applications should include with their application **a detailed CV** indicating qualifications, experience and other matters considered relevant to the application.

2. The application must also include a separate document addressing each applicable element of the **Key Selection Criteria** ***(as attached below)***

3. Copy of all your academic certificates (*compile all in one file*)

4. Email your application to resume@unitalentcareer.com or whatsapp to +012-5227761

Key Selection Criteria

The application should include a separate document addressing each applicable element of the Key Selection Criteria, describing with evidence, how the applicant fulfills the essential and desirable criteria appropriate to the position being targeted.

Qualification / Educational Background		Essential / Highly Desirable
1.	A doctoral degree (PhD) in a relevant field from a recognised institution. In exceptional circumstances equivalent professional experience may be considered.	Essential
2.	Excellent academic results from pre-university level onwards.	Essential
3.	Registration with relevant professional body (if applicable).	Essential
4.	Professional qualification in a relevant field or those progressing towards the qualification (if applicable).	Essential

Other Skills / Experience / Knowledge		Essential / Highly Desirable
1.	Excellent oral and written communication skills in English.	Essential
2.	Prior teaching experience at undergraduate or postgraduate level.	Essential
3.	Scholarly publications in journals, proceedings, and books.	Essential
4.	Experience in providing consulting and training services.	Essential
5.	Experience in curriculum development and administration.	Essential
6.	Participation in collaborative research projects with other academics.	Essential
7.	Experience of supervising postgraduate (including doctoral) students.	Essential
8.	National/international reputation in a relevant scholarly domain.	Essential
9.	National/international recognition in a relevant professional domain.	Essential
10.	Record of innovations, copyrights, patents, and academic entrepreneurship.	Essential
11.	Experience of strategic planning and leadership in academic contexts.	Essential
12.	Experience in motivating and mentoring academic colleagues.	Essential
13.	Ability to identify research opportunity and attract external support.	Essential
14.	Ability to foster collaborative relationships with other universities, government agencies, professional bodies, and private organisations.	Essential
15.	Managerial work experience, leading to a deep and creative understanding of some practical domain.	Essential
16.	Familiarity with digital learning technologies.	Essential