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<b>Position Title:</b>	Research Associate
<b>Position Classification:</b>	Level B
<b>Position Number:</b>	NEW
<b>Faculty/Office:</b>	Faculty of Engineering and Mathematical Sciences
<b>School/Division:</b>	Chemical Engineering
<b>Supervisor Title:</b>	Associate Professor
<b>Supervisor Position Number:</b>	313512

### Your work area

The Department of Chemical Engineering is renowned for its award-winning researchers, teachers and facilities. The broad-based undergraduate and postgraduate programs are complemented by a wide range of research activities. The Department is a leader in developing graduates in the critical industries of energy, oil and gas. More information can be found at <http://www.mech.uwa.edu.au/>

The Department hosts the Centre for Long Subsea Tiebacks in partnership with Chevron and Woodside Energy to enhance the State's global reputation in deep water energy production.

Through its collaborative research, the Centre will improve the oil and gas industry's understanding of hostile deep sea conditions and create innovative solutions to enhance the economic feasibility of remote offshore gas production.

The expertise generated through the Centre will be directly integrated into the development of offshore assets which will support Western Australia's market competitiveness in oil and gas production over the coming decades.

### Reporting Structure

Direct Reports: N/A

### Your role

The appointee will, with limited direction, participate in and coordinate experimental and modelling research associated with gas hydrates and flow assurance relative to the oil and gas industry. The appointee will be associated with both industry- and government-funded research projects, and will also be expected to coordinate project reports for funding agents and, as appropriate, support or lead the writing of peer-reviewed academic publications arising from the research work. The appointee is expected to identify new strategic research directions that align with national and international trends in the energy industry, and pursue both governmental and industry funding with appropriate supervision and guidance.

### Key responsibilities

Management and supervision of high-pressure research equipment;

Supervision of industry- and government-funded research projects;

Publication of scholarly papers and reports;

Presentation of research results and conclusions in industry meetings, workshops, and conferences;

Identify and pursue national and international funding opportunities on energy-related research;

Contribution to teaching and student supervision; and

Other duties as directed.

## **Your specific work capabilities (selection criteria)**

A PhD in chemical engineering, mechanical engineering, or chemistry;

Strong publication track record;

Well-developed written and oral communications skills;

Ability to work both independently and in a team; and

Willingness to co-supervise research students.

## **Special Requirements**

*Nil*

## **Compliance**

### **Workplace Health and Safety**

All supervising staff are required to undertake effective measures to ensure compliance with the Occupational Safety and Health Act 1984 and related University requirements (including Safety, Health and Wellbeing Objectives and Targets).

All staff must comply with requirements of the Occupational Safety and Health Act and all reasonable directives given in relation to health and safety at work, to ensure compliance with University and Legislative health and safety requirements.

Details of the safety obligations can be accessed at <http://www.safety.uwa.edu.au>

### **Equity and Diversity**

All staff members are required to comply with the University's Code of Ethics and Code of Conduct and Equity and Diversity principles. Details of the University policies on these can be accessed at [http://www.hr.uwa.edu.au/publications/code\\_of\\_ethics](http://www.hr.uwa.edu.au/publications/code_of_ethics), <http://www.equity.uwa.edu.au>