

Collaborative Consortium for Coarse Particle Processing Research (CPR)

New Industry Consortium for Coarse Particle Processing Research

As the demand for copper and other base metal production continues to increase, so too does the pressure on mining operations to become more water and energy efficient.

The Collaborative Consortium for Coarse Particle Processing Research (CPR) was initiated by the Sustainable Minerals Institute's Julius Kruttschnitt Mineral Research Centre (JKMRC) to tackle the multidisciplinary aspects of coarse particle processing such as flotation,

comminution, classification, and equipment design and process chemistry.

The Consortium aims to align research and produce practical and applied solutions to industrial issues surrounding coarse particle processing in general, and those of the Eriez HydroFloat® in particular.

It also contributes towards global challenges such as the reduction of greenhouse gas emissions and mitigation of human-made climate change.



Consortium benefits

There are a number of benefits to conducting research within a co-ordinated collaborative consortium - it avoids duplication of effort, leverages expertise among multiple groups, and makes more efficient use of technical and financial resources, while allowing the flexibility to meet the specific research requirements of individual mining operations.

A collaborative consortium also offers a significantly higher return on research investment, as a single financial contribution provides access to the results of several research endeavours.

The CPR Consortium aims to develop practical and applied solutions for achieving the following objectives:

- Maximise recovery of coarse particles
- Predict the recovery of coarse particles, including CPF ore characterisation
- Optimise circuit configuration
- Evaluate the technical and economic advantages of the HydroFloat® technology
- Scale-Up the HydroFloat® technology

Contact details

If you would like to receive further information regarding the CPR Program, please contact the program Technical Directors:

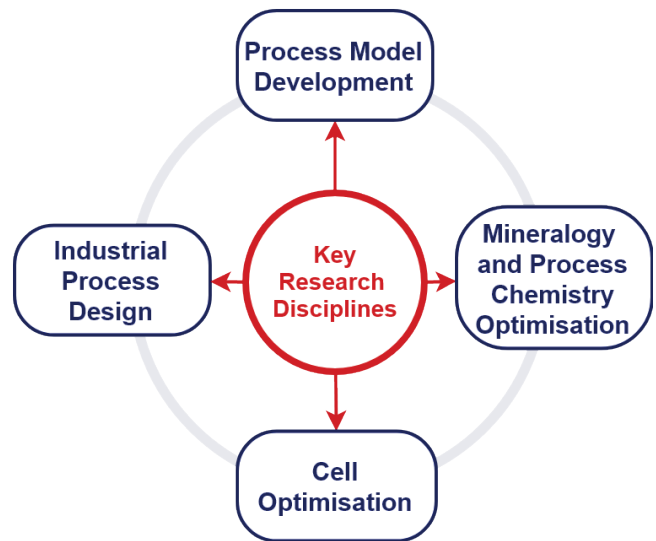
Dr Liza Forbes

T +61 7 3365 5893
E l.forbes@uq.edu.au

A/Prof Kym Runge

T +61 7 3365 58 67
E k.runge@uq.edu.au

Research disciplines



Call for New Sponsors

The CPR Program was established with the help and support of the founding sponsors. New Sponsors are still sought to join the CPR Program.

New sponsors would be welcomed into the CPR Program, provided the following conditions are met:

- All New Sponsors are approved by the Steering Committee by unanimous vote
- New Sponsors join the program within 2 years of establishment, before October 2022.
- New Sponsors accept the terms and conditions of the existing Program Agreement

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