

Research and Industry Excellence Awards 2007 - 2018

The ACARP program selects research projects to receive ACARP Research and Industry Excellence Awards. The projects are selected on the recommendation of the technical committees that oversee the following research categories: Open Cut Mining, Underground Mining, Mine Rehabilitation, Coal Preparation, Technical Coal Marketing, Occupational Health and Safety and Mine Site Greenhouse Mitigation.

Recipients of these awards will have achieved a considerable advance in an area of importance to the Australian coal industry. An important criteria is the likelihood of the results from the project being applied on mines.

2018	Coal Preparation	Bruce Atkinson, Basacon and Graham O'Brien, Karryn Warren, Priyanthi Hapugodo, CSIRO	This exceptional Coal Grain Analysis leading edge research is something industry has become accustomed to over the many years with this team, whose dedication in progressing this work to meet the industry need was commended. This research has placed Australia in the driving seat internationally.
	Underground	Andre De Kock, Simtars	Exceptional work undertake in the Intrinsically Safe space, using a committed, professional and structured approach to establish a repeatable process to ensure equipment can be tested in a systematic way, ensuring its safety. This work has made great improvements in IS across the Australian coal industry.
	Open Cut	Joan Esterle, University of Queensland	Many years of continuous excellent research on numerous projects, across a variety of areas within the coal industry. This award is also for recognition of years of dedication mentoring students and youth within the industry; these individuals who are guided and mentored to become the foundations of the coal industry.
	Maritime Regulation	Ash Goodwin, Goodwin Port Solutions; Kim Hockings, BHP and Graeme Harris, Kestrel Coal	For the delivery of an international standard for shipping under the ACARP banner, this world class work has succeeded because of this group's professionalism, dedication and trustworthiness in dealing with many national and international collaborators.
	Technical Market Support	Brian Monaghan, University of Wollongong	For years of professional approach to applied research in the area of high temperature processing. This work was undertaken to examine the effect of mineralogy on coke reactivity which was undertaken along with a clear vision. All this was combined with the focus of the practicalities of how it can be used to optimise coke-in-use in processing.
	Environment	Cathy Offord, Cathy Offord, Nathan Emery, Mark Viler, Daniella Pasqualini, Royal Botanic Gardens and Domains Trust, Sydney	For work in the area of inclusion of high interest native plants in mine site restoration. This exceptionally successful research will have a positive impact on many operations. The outcomes of this project have greatly improved mine site rehabilitation quality as a result of this research and field trials.

2015

Underground	Jim Galvin, Jim Galvin & Associates - C22004 Ground Engineering - Principles and Practices for Underground Coal Mining	The "Ground Engineering and Management of Coal Mining" textbook which is specifically targeted to the underground coal geotechnical community is expected to become something of a touch stone and provide support for the current geotechnical specialists and the next generation of geotechnical engineers working within our industry.
	Rajiv Shekhar, Enver Bajram, CRCMining - C20006 and C24066 Alternative Electronic Spark Test Apparatus	In working towards an alternate technique to the flawed existing spark test methodology, this group has helped the industry step for4ward towards more certainty in this space. Excellence of the work has been recognised all in collaboration with PBT in Germany and should lead to an international change of both testing and eventually standards.
Open Cut	John Keir, Stephen Williams, Bill Dunn, Terry Brown, Connec - C20030 Powerlinkoz High Voltage Electrical Connection System (PLO)	The new CONNEC high voltage connector system represents the combination of the foresight to clearly identify the fundamental challenges industry faced with the evolved connections systems and the dogged approach to exploring new and innovative ways to address the challenges. The result is a step change in the installation, maintenance, management and performance of HV connection systems.
	Galina Mirzaeva, University of Newcastle - C16030 DC Motor Duty Meter	Long term investigation of major AC and DC motors and their maintenance performance within the mining industry. Some of the innovative motor monitoring techniques developed are excellent and will result in better management of electrical motors.
Coal Preparation/Industry	The Bloomfield Group: Greg Hurney, William Cant, Robert Booth - Major industry support for site based research efforts.	Long term support and hosting of numerous ACARP projects at Bloomfield. Site support is critical for the success of research. Recognition of expense and site delays that have been contended with for the benefit of the whole industry.
	New Hope Group: Rob Rashliegh, Enrico Balismo, Greg King, Kristof McDonald - Major industry support for site based research efforts.	Long term support and hosting of numerous ACARP projects at New Ackland. Such site support is critical for the success of research and requires management both of expense and plant delays.
Technical Market Support	Merrick Mahoney, University of Newcastle - Provision of excellence in "building the story of coal to coke"	Long term commitment to what has been described as "building the story of coal and coke". Merrick's efforts have provided real financial benefit to the Australian coal industry.
Mine Site Greenhouse Mitigation	Shi Su, CSIRO - Compilation of VAM projects	The advancement of science in the area of ventilation air methane and in recognition of strong team management and particularly mentoring other researchers.
Occupational Health and Safety	RISKGATE Team, University of Queensland – C20003 RISKGATE	Development of a unique facility that provides a collective body of knowledge for controlling key industry health and safety exposures. This work has an innovative approach to collecting, validating and publishing in an interactive format which is a clear step change in enhancing effective and meaningful risk related activities.

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2012	Underground	David Humphrey, Julian Greenwood – SkillPro, David Proud, Greg Collecutt - BMT WBM - C14027 Active Explosion Barriers
	Open Cut	Ross McAree, CRCMining - C16031 SLAP
	Coal Preparation	Michael O'Brien, CSIRO - Provision of excellence in coal processing technology
	Technical Market Support	Philip Bennett, ALS Coal - Provision of excellence and commitment to determining the quality of Australian Coals
	Mine Site Greenhouse Mitigation	Jim Sandford and Agi Burra, Xstrata Coal - Provision of excellence in leading the development of the Open Cut Fugitive Emissions Guidelines
	Industry	Rob Neale, New Hope Coal - Provision of vision and leadership through chairing ACARP
2009	Underground	Arthur Waddington, Dan Kay - Mine Subsidence Engineering Consultants - C12015 Prediction of Mining Induced Movements in Building Structures Mingfei Lou, Vipac - C10038/C12028 Development of a Smart, Cheap, Autonomous Condition Monitoring Sensor and C16007 Development of a Smart, Cheap Autonomous Monitoring Sensor System for Variable Speed Machinery
	Open Cut	Alan Richards, Terrock - Nigel Holmes, Holmes Air Sciences - C12036 Meteorological Models to Assist in the Assessment of Blast Overpressure Enhancement
		Bruce Foster, Coal & Allied - Achieving technical excellence and successful collaboration through project C12036 Meteorological Models to Assist in the Assessment of Blast Overpressure Enhancement
	Coal Preparation	Bruce Firth - for Provision of Leadership and Technical Excellence in Coal Preparation
	Mine Site Greenhouse Mitigation	Abouna Saghafi, CSIRO Energy Technology - C15076 Tier 3 Method for Estimating Fugitive Emissions from Open Cut Coal Mining
	Industry	Bruce Robertson - For Provision of Industry Vision, Guidance and Leadership over the Life of ACARP
2007	Open Cut	Larelle Fabbro - Central Queensland University - C11048 Impacts of Blue-Green Algae Associated with Coal Mining and C14051 Mine Water Quality - Spread of Blue-Green Algae
		Patrick Glynn, CSIRO - C8034 Collision Prevention System; C11049 Object Detection and Location Radar for Collision Avoidance Systems and C14044 Collision Avoidance for Mine Haul Trucks (CAS 4)
	Occupational Health and Safety	Jim Joy, Gul Kizil, Sue Leveritt, SMI, Tony Egan, Xstrata Coal - C14046 Human Factor Engineering of Large Surface Mining Equipment
		Robin Burgess-Limerick - Burgess-Limerick & Associates - C14016 Reducing Injury Risks Associated with Underground Mining Equipment Ray Davis, Simtars - C12002 Mines Rescue Vehicle - Testing and Development, C14024 Mines Rescue Vehicle - Demonstration Phase and C15029 Testing Diesel Engines in High Methane Concentrations