

DR BASIL BEAMISH

SENIOR LECTURER IN MINING ENGINEERING
(DIRECTOR - SPONTANEOUS COMBUSTION TESTING LABORATORY)



(MEA NODE: UQ MINING – SCHOOL OF ENGINEERING)

QUALIFICATIONS	BSc Hons, University of Tasmania, 1979 MSc in Mining Engineering, University of New South Wales, 1985 PhD in Mining Engineering, University of Auckland, 1998
EMPLOYMENT	1980 - 87 Collinsville Coal Company Ltd, Mine Geologist/Geotechnical Engineer 1987 - 98 The University of Auckland, Lecturer/Senior Lecturer. 1991 - 93 James Cook University, Director – Coalseam Gas Research Institute. 1998 - present The University of Queensland, Senior Lecturer in Mining Engineering 2004 - present The University of Queensland, Director – Spontaneous Combustion Testing Laboratory
PROFESSIONAL SOCIETIES	Australasian Institute of Mining & Metallurgy, Member Bowen Basin Geologists Group
TEACHING AREAS	Underground coal mining Resource estimation Mining research projects Project evaluation
RESEARCH INTERESTS	Spontaneous combustion of coal Coalseam gas In-seam drilling and drainage Coal properties
SELECTED RECENT PUBLICATIONS	Arisoy, A, BEAMISH, BB and Cetegen, E, 2006. Modelling spontaneous combustion of coal. <i>Turkish Journal of Engineering & Environmental Sciences</i> , 30 , 193-201. BEAMISH, BB, 2005. Comparison of the R ₇₀ self-heating rate of New Zealand and Australian coals to Suggate rank parameter. <i>International Journal of Coal Geology</i> , 64 , 139-144. BEAMISH, BB and Blazak, D G, 2005. Relationship between ash content and R ₇₀ self-heating rate of Callide Coal. <i>International Journal of Coal Geology</i> , 64 , 126-132. BEAMISH, B B and Hamilton, G R, 2005. Effect of moisture content on the R ₇₀ self-heating rate of Callide Coal. <i>International Journal of Coal Geology</i> , 64 , 133-138. BEAMISH, BB and Hogarth, LCS, 2005. Hot spot development in stored subbituminous coal from Callide, in <i>Proceedings of the Bowen Basin Symposium 2005</i> . The Geological Society of Australia, Yeppoon, October 2005, pp 7-11. BEAMISH, BB, Clarkson, F. and Cliff, D, 2005. Gas evolution testing of coal oxidation – small-scale versus bulk-scale, in <i>Proceedings of the 31st International Conference of Safety in Mines Research Institutes</i> . Simtars, Department of Natural Resources and Mines, Brisbane, October 2005, pp 50-53. BEAMISH, BB, 2005. Laboratory-scale assessment of hot spot development in bulk coal self-heating, in <i>Proceedings of the 8th International Mine Ventilation Congress</i> . The AusIMM, Brisbane, July 2005, pp 355-359. Hancock, MG, Kizil, MS and BEAMISH, BB. 2005. Computer Animation of Hot Spot Development in Bulk Coal as an Aid for Training Coal Miners. In <i>Proceedings of the 6th Australasian Coal Operators' Conference</i> . The AusIMM, Brisbane, April 2005, pp 243-248. BEAMISH, BB, Blazak, DG, Hogarth, LCS and Jabouri, I, 2005. R ₇₀ relationships and their interpretation at a mine site. In <i>Proceedings of the 6th Australasian Coal Operators' Conference</i> . The AusIMM, Brisbane, April 2005, pp 183-185. BEAMISH, BB and Jabouri, I, 2005. Factors affecting hot spot development in bulk coal and associated gas evolution. In <i>Proceedings of the 6th Australasian Coal Operators' Conference</i> . The AusIMM, Brisbane, April 2005, pp 187-193.
PROFESSIONAL INTERESTS AND CONSULTING	Consultant to the coal industry on spontaneous combustion assessment and testing