

DR AMAL BHATTACHARYYA

VISITING FELLOW



QUALIFICATIONS

B.Sc. in Mining Engineering, University of Glasgow, 1959
MSc in Rock Mechanics & Strata Control, University of Durham, 1962
Ph.D. in Rock Mechanics, University of Newcastle upon Tyne, 1967

EMPLOYMENT

1959 - 61 National Coal Board (UK), Shot Firer.
1962 - 67 University of Newcastle upon Tyne, Junior Research Associate.
1967 - 69 Research Associate.
1969 - 73 Sherritt Gordon Mines, various supervisory positions.
1974 - 81 UNSW School of Mining Engineering. Lecturer.
1982 - 94 Senior Lecturer.
1995 - Visiting Fellow.

PROFESSIONAL SOCIETIES

Australasian Institute of Mining & Metallurgy, Fellow
Institution of Engineers, Fellow, Charter Engineer
Canadian Institute of Mining & Metallurgy, Member
Society of Mining Engineers, Member

TEACHING AREAS

Association of Professional Engineers of the Province of Manitoba, Professional Engineer
Stability & Support of Underground Mine Workings
Stability & Support of Surface Mine Workings
Mining Subsidence
Surface Mining
Underground Mining of Coal

RESEARCH INTERESTS

Subsidence Engineering
Support of Underground Coal Workings
Disposal of Waste
Rock Slope Engineering

SELECTED PUBLICATIONS

Bhattacharyya, A K, Seneviratne, S P, 1992. A Study of Floor Heave in the Mines of the Southern Coalfields of New South Wales by Two Dimensional Finite Element Modelling, in *11th Inter Conf on Ground Control in Mining*, Wollongong, pp. 457 – 482.
Chaturvedula, V K, Bhattacharyya, A K, 1992. Design of Yield Pillars in the Southern Coalfields of New South Wales, in *11th Inter Conf on Ground control in Mining*, Wollongong, pp. 66 – 712.
Bhattacharyya, A K, Fairclough, F, Russel, P & Schaller, S, 1994. The Application of Non-traditional Sealing Methods for Effective Containment of Leachates in Severe Geomechanical and Hydro-geological Environments, in *Third Int Conf on Environmental and waste Management in Energy and Mineral Production*, Perth, pp 69 – 73.
Chaturvedula, V K, Bhattacharyya, A K, in press. Design of Yield Pillars for Improved Stability of Colliery Roadways, in *AusIMM Proceedings*.
Zhang, M, Bhattacharyya, A K, 1995. Characterisation of Undermined Strata in Predicting Coal Mining Subsidence.", *The AusIMM Annual Conf*, Newcastle, 23 –26, pp 45 – 50.

PROFESSIONAL INTERESTS AND CONSULTING

Advisory Consultant, Korea Institute of Energy Research (1989)
Consultant, Water Board (1992)
Consultant, Anju Mining Engineering Institute, DPR Korea (1996).