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SENIOR LECTURER

(MEA NODE: WASM MINING ENGINEERING)

QUALIFICATIONS B.Eng. in Mechanical Engineering, University of Sri Lanka, 1974
Ph.D in Mechanical Engineering, University of Hong Kong 1984

EMPLOYMENT 1974 - 76 Mechanical Engineer, Industrial Development Board of Sri Lanka
1976 - 78 Assistant Lecturer, Mechanical Engineering, University of Moratuwa, Sri Lanka
1978 - 83 Research Assistant, Mechanical Engineering, University of Hong Kong
1983 - 86 Research Associate, Civil and Mining Engineering, University of Wyoming
1986 - 89 Senior Engineer, National Engineering R&D Centre of Sri Lanka
1990 - 91 Research Associate, Mechanical Engineering, University of Melbourne
1991 - 94 Research Associate/Tutor, Mechanical Engineering, University of New South Wales
1994 - present Senior Lecturer, Mining Engineering, Curtin University

PROFESSIONAL SOCIETIES Australasian Institute of Mining & Metallurgy, Member
Institution of Engineers, Australia, Member
American Society of Mechanical Engineers, Member

TEACHING AREAS Mine ventilation
Maintenance and mine services
Mechanics of solids
Thermofluids

RESEARCH INTERESTS Rock fracture mechanics
Reliability of mining equipment

SELECTED RECENT PUBLICATIONS Kuruppu, M D, Golosinski, T S, Tytko, A, 2000. Loss of metallic area in winder ropes subject to external wear, *Engineering Failure Analysis*, 7(2000), pp. 199-207.
Kuruppu, M, 2000. Fracture toughness testing of geomaterials using semi-circular specimen, *Proc. Int. Conf. on Geotechnical & Geological Eng.(GeoEng2000)*, Melbourne, Paper No. Gcc 0806.
Kuruppu, M, 2002. Fracture toughness measurement of rock using chevron-notched semi circular specimen, *Proc Mine Planning & Equipment Selection*, Tech. University, Ostrava, Czech Republic, pp. 355-360.
Kuruppu, M, Seto, M, Funatsu, T, 2002. R-curve method of fracture toughness determination using semi-circular bend specimen, *Proc 3rd Australasian Congress on Applied Mech.*, Sydney, World Scientific, pp. 159-164.
Kuruppu, M, 2002. Recent developments of mining machinery and the improvements of productivity, *Proc 3rd Australasian Congress on Applied Mech.*, Sydney, World Scientific, pp. 213-218.
Kuruppu, M, 2003. The steep angle conveying option for large open pit mines, *Proc. 5th Large Open Pit Conf.*, Kalgoorlie, AusIMM, pp. 65-69.
Kuruppu, M, 2004. New technologies available to maximizing equipment reliability, *Proc. Mine Planning & Equipment Selection 2004*, Wroclaw, Poland, Balkema (CD volume).
Dayawansa, P H, Kuruppu, M, Mashiri, F, Bartosiewicz, H, 2005. Wear of dragline wire ropes, *Proc. 6th Australasian Coal Operators Conf. (COAL2005)*, Brisbane, pp.153-160.
Kuruppu, M, Dayawansa, P H, Mashiri, F, 2006. Maintenance of wire ropes and associated equipment in draglines. *Mine Planning & Equipment Selection, Italy (MPES2006)*, September 2006