

DAVID LAURENCE
ASSOCIATE PROFESSOR
DIRECTOR POSTGRADUATE STUDIES &
INTERNATIONAL DEVELOPMENT



- QUALIFICATIONS** B.Sc. in Geology, University of Sydney, 1974
B.E. in Mining Engineering, University of Sydney, 1976
M.E. in Mining Engineering, University of Sydney, 1989
MBA in International Business, University of New England, 1997
PhD in Mining Engineering, UNSW, 2003
NSW & NT First Class Certificates of Competency as Mine Manager
- EMPLOYMENT** 1977 - 82 The Zinc Corporation Broken Hill. Mining Engineer
1983 - 88 NSW Dept of Mineral Resources. Regional Mining Engineer
1988 - 92 Nunan Sapphires (Great Northern Mining Co.). General
Manager, Operations
1992 - 95 Ministry of Mines/AusAID Zimbabwe. Principal Mining
Engineer & Consultant
1995 - 98 NT Dept of Mines & Energy. Chief Government Mining Engineer
1997 - 98 Consultant to Fiji Mineral Resources Department
1998 - UNSW, School of Mining Engineering. Associate Professor
2002 - SOME, Director Postgraduate Studies & International Development
- PROFESSIONAL SOCIETIES** Australasian Institute of Mining & Metallurgy, Fellow
Australasian Institute of Mining & Metallurgy, former Chairman (Sydney & Darwin branches)
Australasian Institute of Mining & Metallurgy, former Councillor (NT & Kimberley region)
Society of Mining Engineers, USA, Member
Chamber of Mines of Zimbabwe, Member
Asia-Pacific Mining Education Network – Co-founder
- TEACHING AREAS** Sustainable mining practices; mining in developing countries; metalliferous mining methods & mine design; mining law; mine management; environmental management; mine safety & health; risk management; industrial minerals; alluvial mining; gem and small scale mining;
- RESEARCH INTERESTS** Sustainable mining practices; mining in developing countries; environmental management in mining; mine safety; mining laws; human behaviour; risk management in mining
- RECENT SELECTED PUBLICATIONS** Laurence, D.C. 2009 “Sustainable Mining – The Paradox Debunked” submitted to Environmental Science and Technology – February 22, 2009 in prep
Laurence, D.C. and Scoble, M. 2009 “Integration of Sustainability into Mining Schools: Counter-cycle Strategies for the Next Boom” Proc. 4th International Conference on Sustainable Development Indicators in the Minerals Industry, Queensland
Laurence, D.C. 2009 Health and Safety in the Mining Industry. Chapter 19 SME Handbook (in prep) Society of Mining Engineers USA (in prep)
Laurence, D.C. 2009 Environmental Management in the Mining Industry. Chapter 22 SME Handbook Society of Mining Engineers USA (in prep)
Laurence, D.C. 2008 “Challenges and Opportunities for Sustainable Mining Practices in the Asia-Pacific region” 11th Kenneth Finlay Memorial Lecture UNSW available at http://www.mining.unsw.edu.au/lectures/KFL/UNSW_KennethFinlay_pp_2008.pdf
Laurence, D.C. “Addressing the Social and Environmental Impacts of Coal Mining in Australia and China: Lessons for India?” in Singh, G., Laurence, D.C., Lahiri-Dutt, K., (eds) Proceedings of the 1st International Conference on Managing the Social and Environmental Consequences of Coal Mining in India, New Delhi, 2007, 840 pp ISBN 978-81-7525-914-0
Laurence, D.C. 2008, “The Application of Sustainable Mining Practices in South East Asia” in Proceedings of the International Conference - Advances in Mining & Tunneling Conference, Hanoi Vietnam 19-23 August, pp 403-414 ISSN No. 18591469
Laurence, D.C. 2006 “Why Do Mines Close?” Proceedings First International Seminar on Mine Closure. Australian Centre for Geomechanics, Perth, Pages 83-94. ISBN 0 975675664.
Laurence, D.C., and Galvin, J.M., 2006 “Educating Future Mine Managers – Maintaining the Gene Pool” Proceedings 1st International Mine Management Conference, Melbourne, AusIMM.
Laurence, D.C. 2006 “Optimisation of the Mine Closure Process” Journal of Cleaner Production, Volume 14, Issues 3-4, Pages 285-298 Elsevier Science Ltd
Laurence, D C, 2005. Safety Rules and Regulations on Mine Sites – The Problem and A Solution. Journal of Safety Research (in prep. - acceptance date 27 September 2004)
Laurence, D C, 2004. TSL Trials at an Australian Underground Coal Mine. Chapter 23 of “Surface Support in Mining”, Potvin et al (eds). Australian Centre for Geomechanics, Perth, 2004. pp 227-234 ISBN 0 975675605
- PROFESSIONAL INTERESTS AND** Consultant to industry, government and aid organizations in sustainable mining practices including mine environmental management; mine closure and decommissioning; mine rehabilitation; mine safety; accident

CONSULTING

and incident investigation; institutional strengthening; capacity building; in Australia, Asia (China, India, Thailand, Vietnam, Philippines, Laos, Cambodia etc), Africa, South America & Pacific