

MICHAEL J LAWRENCE

Managing Director & Chief Valuer, MINVAL

QUALIFICATIONS, POST NOMINALS & AWARDS

BSc (Hons 1), Applied Geology, University of NSW (1966)
Graduate Diploma (Distinction), Public Sector Management, University of Technology Sydney (1985)
Professional Certificate (Distinction) Arbitration & Mediation University of Adelaide (2000)
Practitioners Certificate in Mediation & Conciliation, IAMA (2001)
Fellow, Australasian Institute of Mining and Metallurgy (FAusIMM) since 1976
Fellow, Institution of Mining and Metallurgy (FIMM) since 1975; Australasian Overseas Councillor 2000-04
Fellow, Australian Institute of Geoscientists (AIG) since 1987
Member, Institute of Arbitrators & Mediators Australia (MIAMA) since 2000 (accredited Mediator & Grade 3 Arbitrator, 2007)
Member, Association Indonesian Mining Professionals (PERHAPI), 2000-2004
Member, Mineral Industry Consultants Association (MMICA) 17 February 1989-2011; Board Member 1992-2002
Chartered Engineer UK (CEng) since 1972
Chartered Professional Geologist (CP) since 1997
1999 AusIMM President; Vice President, 1994-1998; and Councillor, 1992-2000
2001 AusIMM Beryl Jacka Award; AusIMM's 2001 entrant in Professions Australia's inaugural *Professional of the Year*
2008 AusIMM Honorary Fellow status, awarded in January 2009
2010 MICA Medallist in October 2010 (leading AusIMM Australasian Mineral Industry consultant by peers)

CAREER HISTORY

Michael is a geologist who has spent most of his professional career (spanning over 45 years) as a mining and geological consultant with major international resource consultancies as Managing Director of their regional operations: from 1970 to mid-1982 for the French Government's BRGM/SEREM; and from mid-1988 to 1990 for the Robertson Group plc (UK). In 1991, he founded Sydney-based **Minval Associates Pty Limited (MINVAL)** that specialises in mineral property audits/due diligence and valuation, and Minerals Industry dispute resolution solutions.

Whilst at the NSW Department of Mineral Resources and Energy (mid-1982 to mid-1987), he completed his studies for his Graduate Diploma Public Sector Management, participated in corporate planning, internal management strategy reviews, and organisation analysis and re-design projects. He also developed skills in dealing with government administration (at Local, State and Federal levels) and the political process; as well as how public interest/civil society groups use their influence. He became competent in resolving environmental and community conflict issues (particularly EIS evaluation) involving major resource project developments, whilst responsible for mining title administration [as a Development Officer (Grade 9), as Acting Head of the Mineral Resources Administration Branch (Grade 12) and as Mining Registrar (Lightning Ridge)]. His roles included being a binding adjudicator/determiner of technical issues, as well as a general business administrator and workplace conflict resolver (involved in conciliation, staff selection, counselling and career development).

His consultancy work (1970-1982 and 1988-to date), including the time he spent as a mining analyst with stockbroker Lancaster Securities (mid-1987 to mid-1988), involved him in mineral economics, financial analysis and resource asset/company valuation. In 1989 he became a MICA-accredited Mining & Exploration Tenement Valuer, having held the old ASIC Investment Adviser's Licence since 1990 before it lapsed on 11 March 2004 with the introduction of the Financial Services Reform Act 2001. He joined international consultancy Robertson Australia in mid-1988 as Managing Director (Asia-Pacific), being particularly responsible for new business development and the technical/valuation direction of the large professional staff. He also served on its international Board, but resigned after the takeover of the parent company by Symons Engineering in late 1990 and its subsequent sale, to join Barrett, Fuller & Partners as an Associate in early 1991. He had a dual role of Regional Manager, NE Australia and SE Asia, responsible for the management of its operations and new business development in the region (based in Sydney); and of Technical Manager — Valuation and Audit, technically supervising those activities for the consultancy worldwide, before founding MINVAL later that year. He is responsible for MINVAL's valuations and providing its independent expert advice, due diligence and expert witness services.

His long career with international mineral consultancies contributed to his wide-ranging expertise in the evaluation of deposits of coal, metallic minerals, precious metals, gemstones, non-metallics and construction materials, especially those in Australasia, Southeast Asia and the Pacific; and the provision of independent technical advice to the minerals, coal and quarry sectors. He has particular experience in the technical review (JORC-compliance audits) and valuation (VALMIN Code-compliance audits) of alluvial deposits (gold, tin, mineral sands, sapphire, diamond); superficial deposits (opal, lateritic nickel, bauxite, manganese and iron ores); hardrock gold, base metal, nickel, tin and tungsten deposits; and coal. He is also very experienced in dispute resolution (an accredited mediator/arbitrator) and having acting as an expert witness and in litigation support roles. He has had published 97 technical papers, particularly on aspects of valuation, due diligence, risk, ethics and professional liability. He has made major contributions to AusIMM's VALMIN Code since 1991 (Chair, VALMIN Committee 2000-2002); and development of AusIMM/MICA Alternate Dispute Resolution Scheme (Chair, Interim Board 2000-2003). Appointed to NSW DMR Arbitration Panel in 2008 (reappointed to 2013) to settle land access disputes.

AREAS OF SPECIALISATION

- **Technical Assessment/Audit & Valuation/VALMIN-compliance of Mining & Exploration Properties**
- **Exploration & Mine Geology (Hardrock and Alluvial) - Reserves/Resources Audits & JORC-compliance**
- **Mining Title and Project Development (Environmental) Matters**
- **Corporate Investment Advice and Acquisition/Divestment Strategy Formulation**
- **Dispute Resolution – Expert Opinion/Expert Witness & Expert Determination/Arbitration/Mediation**