

William Neil (Bill) Howell, M.A.Sc., P.Eng. Alberta

1-587-707-2027 Bill@BillHowell.ca www.BillHowell.ca

P.O. Box 299, Hussar, Alberta, T0J1S0

Retired 28Oct2012 from : Science Research Manager at the Mining and Mineral Sciences Laboratories of Natural Resources Canada (NRCan) in Ottawa : My recent responsibility was to manage and build a new Recycling R&D program, and to find cost recovery funding for it. I have experience in corporate and government business development, market research, management and execution of scientific & engineering R&D and projects, and plant operations. Updated 20Jan2014

R&D Management Background

- 4+ years as R&D Program Manager – Mineralogy & Metallurgical Processing, 24 staff ;
 - Recycling Technologies Initiative –a new program with 3 staff
- 10 years as Secretary for major mining R&D consortia, on Management & Technical committees, contracts, consortia tracking, notifications, planning, reports. Memberships generally included the mining industry, federal & provincial governments, R&D contactors, and trade unions in DEEP. :
 - Mining Automation Program (MAP- 27 M\$ cash & in-kind) – 3 mining companies & NRCan
 - Diesel Particulate Matter in underground mines (DEEP, 5 M\$) - 13 organizations
 - Explosives Free Rock Breakage Initiative (EFRB, 1 M\$) – 12 organizations
 - Hydrogen Mine Introduction Initiative (HMII, ~2.1+ M\$) – 7 organisations
- Organising, Technical, & Review Committee member of International Joint Conference on Neural Networks, the world's pre-eminent NN conference (2003, 2005, 2006, 2007, 2009, 2013)
- 4 months experience as Acting Deputy Director of the Mining and Mineral Sciences Laboratories

Business Background

- 3 years sales/marketing of R&D services to Canadian mining companies while at NRCan
- 2 years as Market Research Manager for chemical company, including the econometric modelling of prices/volumes reporting and presentations to senior management and major clients
- 2 years of the initial stages of business development projects for a chemical company, including competitor analysis, financial analysis of projects
- experienced in the preparation of business plans, presentation/analysis of operating results
- marketed large vocabulary computer voice dictation systems to lawyers and doctors in the Ottawa area through my own small company

Technical Background

- 6 years of chemical engineering R&D - uranium solvent extraction, leaching, fluid modelling, inorganic acids processes, seed coatings, enzyme pasturisation
- 3 years plant operations engineer in the inorganic chemical industry
- strong (non-practicing) knowledge of Computational Intelligence subjects, some neuroscience
- extensive knowledge of the fundamentals of Climate Change science, and the common errors and misconceptions by scientists in that area

Other

- MAsc Chemical Engineering - U of Ottawa 1986, B.A.Sc.Chemical Engineering - U of Calgary 1978
- Member: International Neural Network Society (INNS, ~1990-on), Institute of Electronics and Electrical Engineers - Computational Intelligence Society (IEEE-CIS, ~2003-on). Past member : Order of Engineers of Québec (OIQ, ~1980-2010?); Alberta APEGGA (2007), Canadian Institute of Mining, Metallurgy and Petroleum (CIM, ~1995-2010?)
- Bilingual (federal government levels EEE in French reading, writing, oral).