

DR. LAUGHTON'S RESUME

Education

Sloan School of Management, MIT

1983-1987 Ph.D. in Finance

1981-1982 S.M. in Management

Princeton University

1974-1979 Ph.D. in Physics

University of Toronto

1970-1974 B.Sc. in Mathematics and Physics

Professional Experience

1983-Present Consulting Financial Economist

- Have advised clients, and conducted workshops, on the use of valuation methods, and developed new methods, for
 - real asset design and management
 - financial instrument valuation
 - the analysis of fiscal policies
- Have supervised the development of valuation decision support systems
- Have organised initiatives by two international professional organisations to consider future developments in real asset valuation in the energy industry
- Consulted on product design for a producer of knowledge-based (i.e. "artificial intelligence" based) financial management software systems

1982-1983 Commerce Officer, Corporate Finance Division, Department of Finance, Government of Canada

- Designed and supervised the implementation of several valuation decision support systems.
- Led or participated in several project analyses.
- Developed and gave short courses on valuation techniques and on decision support system design and implementation.

Academic Appointments

1993-Present Adjunct Professor,
School of Business, University of Alberta

2005 Stollery Executive-in-Residence,
School of Mining and Petroleum Engineering,
University of Alberta

2004-05 Visiting Scholar,
Laboratory for Energy and the Environment, MIT

1993-99 Adjunct Professor,
Faculty of Engineering, University of Alberta

1987-93 Assistant Professor,
Faculty of Business, University of Alberta

1983-87 Researcher,
Center for Energy Policy Research, MIT

- Have established and conducted research and teaching programmes in
 - general real asset valuation
 - the financial analysis of R&D
 - complex full life cycle decision tree analysis
 - fiscal system analysis
 - greenhouse gas emission rights valuation
- Organised a widely sponsored national programme to create cross-Canada multidisciplinary research efforts on climate change issues

1980-1981 Member,
Institute for Advanced Study, Princeton, NJ

1979 Research Fellow and Lecturer,
Department of Physics, Harvard University

- Developed techniques for solving probabilistic optimisation problems