

PETER K. ROBERTSON
Technical Advisor, Gregg Drilling & Testing Inc.
Professor (retired), University of Alberta

SUMMARY INFORMATION

EDUCATION

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|---------|---------------------|--------------------------------|------|
| B.Sc. | (Civil Engineering) | Nottingham University, England | 1972 |
| M.A.Sc. | (Geotechnical Eng.) | University of British Columbia | 1975 |
| Ph.D. | (Geotechnical Eng.) | University of British Columbia | 1983 |

EMPLOYMENT RECORD

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|--------------|---|
| 1972-1973 | Junior Engineer, Sir William Halcrow & Partners, London, UK |
| 1973-1975 | M.A.Sc. Graduate Studies, University of British Columbia |
| 1975-1977 | Project Engineer, Golder Associates, Vancouver |
| 1977-1980 | Chief Engineer, Fugro (Hong Kong) Ltd. |
| 1980-1983 | Ph.D., Research Assistant, University of British Columbia |
| 1983-1988 | NSERC University Research Fellow, University of British Columbia |
| 1987-1988 | Visiting Scholar, SGI, Milan, and Research Fellow, Univ. Turin, Italy |
| 1988-2007 | Professor of Civil Engineering, University of Alberta |
| 1995-1999 | Associate Dean (Research & Planning), Faculty of Engineering, |
| 1999-2005 | Associate Vice President (Research/Industry Relations), |
| 2004-2005 | CEO, TEC Edmonton, University of Alberta/City of Edmonton |
| 2005-present | Technical Advisor, Gregg Drilling & Testing Inc., California |
| 2007-present | Private consultant |

HONOURS AND AWARDS

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| 1981-83 | Killam Predoctoral Fellowship, University of British Columbia |
| 1983-88 | NSERC University Research Fellowship, University of British Columbia |
| 1985 | Colloquium, Canadian Geotechnical Society |
| 1993 | Honorary Research Professor, Central Research Institute of Building and Construction, Ministry of Metallurgical Industry, Beijing, China |
| 1996-97 | Killam Annual Professorship, University of Alberta |
| 1997 | Cross Canada Lecture Tour, Canadian Geotechnical Society |
| 1998 | Association of Professional Engineers, Geologists and Geophysicists of Alberta (APEGGA) Project Achievement Award – CANLEX Project |
| 1999 | R.M. Quigley Award, Canadian Geotechnical Society (best paper) |
| 2000 | Fellow, Engineering Institute of Canada |
| 2002 | Stan Thompson Service Award, Geotechnical Society of Edmonton |
| 2006 | R.M. Quigley Award, Canadian Geotechnical Society (best paper) |
| 2010 | R.M. Quigley Award, Canadian Geotechnical Society (best paper) |
| 2012 | J.K. Mitchell Lecture, ISC'4, Brazil |
| 2014 | H. Bolton Seed Medal, ASCE |
| 2017 | R.M. Quigley Award, Canadian Geotechnical Society (best paper) |
| 2018 | Lymon C. Reese Lecture, Austin, Texas |

PROFESSIONAL AFFILIATIONS

Association of Professional Engineers, Geologists and Geophysicists of Alberta (APEGGA)
 Canadian Geotechnical Society (CGS)
 Engineering Institute of Canada (EIC) - Fellow
 International Society of Soil Mechanics and Geotechnical Engineering (ISSMGE)

PROFESSIONAL ACTIVITIES

Chair, Vancouver Geotechnical Society, 1984-85
 Director, ConeTec Investigations Ltd., 1984-2004
 Chair, Edmonton Geotechnical Society, 1989-90
 Member, Canadian Standards Committee on Foundations, 1989-92
 Member, ISSMGE, Technical Committee TC 10, 1990-94
 Member, ISSMGE, Technical Committee TC 24, 1990-94
 Member, Canadian Geotechnical Society Editorial Committee for Foundation Manual
 Editorial Board, Geotechnical Journal, American Society of Civil Engineers, 1996
 Vice Chair, Soil Mechanics Division, Canadian Geotechnical Society, 1994-98
 Chair, Organizing Committee, 1st Int. Conf. on Site Characterization, ISC'98, 1998
 Chair, Technical Committee 16, ISSMGE, 1990-99
 Associate Editor, Canadian Geotechnical Journal, 1998
 Director, InnoCentre Alberta Business Development Services, 2000-2003
 Director, Science Alberta Foundation, 2001-2004
 Director, Scanimetrics, 2000-2006

TEACHING

Extensive teaching experience at both the undergraduate and graduate level.

Undergraduate Courses

First Year Engineering Statics
 Introduction to Soil Mechanics
 Foundation design
 Geotechnical Engineering

Graduate Courses

Site Investigation
 Advanced Soil Mechanics
 Advanced Foundation Engineering
 Numerical Methods
 Stress Strain models

SHORT COURSES AND WEBINARS

Presented over 100 short courses in North, Central and South America, Asia, Europe, Australia and New Zealand on topics related to in-situ testing, soil liquefaction and geotechnical/geo-environmental engineering. Presented a series of (~16) **free webinars** on the CPT that are also available free online and some have been viewed more than 1,000 times

RESEARCH GRANTS & CONTRACTS

Over \$3.0 million in research grants and contracts at the University of Alberta.
 Principle Investigator for the Canadian Liquefaction Experiment (CANLEX, 1993-97), which was the largest geotechnical collaborative research project in Canada.

Main areas of research activities: in-situ testing of soils, earthquake design of geotechnical structures, soil liquefaction, pile design and soil structure interaction.

Recognized as an expert both nationally and internationally in the areas of in-situ testing and soil liquefaction.

PUBLICATIONS

Summary: 270 Publications

- 1 Book
- 6 Chapters in Books
- 5 Engineering Design Manuals and Guides
- 89 Refereed Journal publications
- 152 Other refereed contributions
- >20 Non-refereed contributions

SOFTWARE

Co-developer of two commercial, low cost computer software programs (*CPeT-IT & CLiq*) in collaboration with Geologismiki (Greece) (<http://www.geologismiki.gr/>).

INVITED & KEYNOTE PRESENTATIONS

Invited speaker at over 30 major Conferences (national and international) or workshops.
Invited presentations at over 100 meetings of local engineering societies, graduate student seminars, conferences, seminars, etc.

CONSULTING

Consultant to various industrial clients and insurance companies in North/South America, Asia, Middle-east and Europe for projects involving: liquefaction evaluation for major structures, ground improvement, stability of onshore and offshore structures, deep foundations and use and interpretation of in-situ tests.