

CURRICULUM VITAE

BARNA SZABADOS, Dipl.Ing, PhD, P.Eng, FEC

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EDUCATION

<u>Degree</u>	<u>Institution</u>	<u>Area of Study</u>	<u>Year</u>
Diplôme D'Ingénieur	Ecole Nationale Supérieure d'Ingénieur, Grenoble France	Electrical Engineering	1967
Master's Engineering	McMaster University Hamilton, Canada	Electrical Engineering	1969
Ph.D.Engineering	McMaster University	Electrical Engineering	1971

AWARDS

2008 Order of Honour of the Professional Engineers of Ontario
2007 Outstanding Engineer Award, IEEE
2001 Induction to McMaster Hall of Fame.
1999 Chevalier de l'Ordre des Palmes Académiques, "for the exceptional technical contributions and dissemination of knowledge", awarded by the First Minister of France.
1987 Médaille Ampère, "for outstanding contributions to the field of Electrical Engineering", by the Société des Ingénieurs Electriciens et Electroniciens de France.
1982-85 Westinghouse Chair in Energy Technologies
1982 MSU best teacher's award for the Faculty of Engineering
1977 Nomination to the E.W.R. Steacie Memorial Fellowship by the U. of New Brunswick

ACADEMIC AND RESEARCH EXPERIENCE

2007- Professor Emeritus Retired
2007 Visiting Professor ESIGELEC (Rouen) France (sabbatical)
1997-2007 Director Power Research Laboratory, McMaster University
2004 Visiting Professor ESIGELEC (Rouen) France
1998 Visiting Professor ISTASE (St Etienne, France)
1983-2007 Professor Dept. of Electrical and Computer Engineering, McMaster U.
1980-1983 Associate Professor Dept. of Electrical and Computer Engineering, McMaster U.
1977-1978 Visiting Professor Dept. of Electrical Engineering, Sussex U., England
1976-1980 Associate Professor Department of Electrical Engineering, U. of New Brunswick
1971-1976 Assistant Professor Department of Electrical Engineering, U. of New Brunswick

INDUSTRIAL CONSULTING

(1975 to present)

Quanser Consulting Inc.; AGILE; ABEL computers;
Amsterdam & Peroff (legal technical expert); Revenue Canada (R&D);
Westinghouse; General Motors Canada; AVRO (Computer noise interference);
Technical expert in Court, EEV against Revenue Canada Excise (Ottawa);
CARRIER (Syracuse); TECHFORCE; EQUUS; Environment Canada;
Texas Instruments (computers); SERV-O-TRONIC;
Abel Microsystems (industrial controllers); NBTel/NB Power (distribution system);
COMINCO; Dow Chemical of Canada; American Science and Engineering;

Atwood and Merrill; Technical Expert in Court, ASE against Bell Laboratories, Madison; McGraw-Edison (New Jersey); General Electric (Schenectady); Canadian General Electric (Peterborough);

PUBLICATIONS

- 135 Scientific publications in journals and conference proceedings
- 6 Invited speaker publications
- 6 Book contributions
- 4 Patents
- 14 Industrial reports and industry standards
- 10 Invited speaker and industrial workshops for Power Distribution Utilities
- 14 Standard Engineering Practices for New Brunswick Power Commission (distribution feeder management).
- 1 “Standard Operating Practice”, NBEPCC practice S.O.P. III - 2.00
- 1 “Joint Use Practice for NBPower and NBTel”, operating practice.

PROFESSIONAL COURSES and WORKSHOPS CONDUCTED

- “Harmonic Effects on Communication Interference”, Tutorial IEEE PES, Feb. 1985.
- “Harmonic Measurements: Instrumentation and Techniques”, Tutorial IEEE PES, Feb. 1985.
- “Harmonic Effects of Large Rectifier Installations on Power Systems”, Nov. 30, 1983, Ottawa National Research Council Department of Electrical Engineering.
- “Technical Applications of Microprocessors”, Nov. 6, 1982, short course to APEO Professional Development Series.
- “Inductive Coordination”, 1 week course to Power and Tel. engineers, Minnesota, Feb. 1978. Telephone and Power Joint Symposium (2 days) , Stevens Point, Wisc., Feb. 1977.
- “Telephone Interference”, 1 week course to Manitoba Hydro, Calgary Power and Telephone, May 1976.
- “Interférence Téléphonique” (en francais), 1 week courses each to Hydro Quebec: June 1975 in Quebec City, Jan. 1975 in Montreal.

PROFESSIONAL SERVICES RENDERED AND OFFICES HELD

- 2014-present Member LIC committee PEO (Chair-2018)
- 2005-2014 member of LPTF (licensing practice task force) with PEO
- 2003-2008 Board of Advisor for ESIGELEC (France).
- 2002-2005 Member of NSERC Scholarship Committee (2005 Chair)
- 2002-2007 Regional Coordinator for International Activities in France (McMaster/French Consulate)
- 2002-2005 Quality Assessor to the Postsecondary Education Quality Assessment Board
- 2000-present Accreditation Requirement Committee member of Professional Engineers of Ontario. (Chair 2013-15)
- 2000-2004 REPCOM member for region 7 of the IEEE.
- 1994-2000 Special advisor to Hong Kong Professional Engineering Association on accreditation.
- 1981-2000 Member of “Harmonic Propagation” working group IEEE, PES T.D. Society
- 1992-2001 Canadian Engineering Accreditation Board member
- 1993-2000 Scholarship Committee AUCC
- 1990-1994 FCAR committee member (centres d’excellences)
- 1988-1990 Organizing committee of International Conference ICHPS
- 1986-1989 Member of NSERC 67' Scholarship Committee
- 1986-1992 Canadian Accreditation Board visiting team member
- 1986-1988 Associate Editor of Canadian Electrical Engineering Journal
- 1982-1085 MIES Steering Committee Member
- 1981-1983 Secretary-Treasurer, IEEE Hamilton Computer Chapter
- 1976-1988 Member of ICEP working group of IEEE

1976-1977 CSEE Vice-President
1973-1976 Student Activity Co-ordinator, Executive Committee, IEEE section

COMMUNITY AFFAIRS

2002-2009 Assistant coach McMaster Fencing Club
1989-92 Parish Council (Committee chairman), St John's Church Ancaster
1989-90 Soccer Coach (Ancaster Soccer Ass.)
1977-80 Senior Fencing Coach
1976-79 President of Canadian Fencing Association
1976-79 Elder in St Paul's Church (Fredericton)
1976-78 Member of the Board of Directors of Canadian Olympic Association
1975-76 Member of Olympic Team Selection Committee (fencing)
1975-76 Member Technical Committee Olympic Games (Montreal)
1975-76 President of the New Brunswick Fencing Association
1973-75 Provincial Technical Director (fencing)