

**CURRICULUM VITAE (CV)**

**Gyan S. Rajhans, P.Eng., CIH, ROH.**

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**PROFESSIONAL POSITIONS**

**June, 2002- Present**

**President, Gyan S Rajhans & Associates Inc**

Audited the Occupational Health & Safety curriculum of Lambton College, Sarnia on behalf of the Ontario Ministry of Education & Training.

Assessed and modified the Industrial Ventilation System for a Goodyear Canada plant.

Prepared Basic Guidelines for Industrial Ventilation for CCOHS (seven booklets).

Prepared asbestos dust control policies for major Ontario corporations.

Designed a local exhaust ventilation system for asbestos dust control for a major company (ongoing).

Served as an expert advisor on several asbestos related legal claims (ongoing).

Expert witness for asbestos, silica and respirator litigations (ongoing).

Moderator and Chair, AIHce 2004 roundtable, "Cradle to Grave TLC for Your Ventilation System,"

Keynote Speech on Industrial Hygiene Aspects of Asbestos Litigation at ATLA 2005 Annual Convention, Toronto, Canada.

Member, VENT 2006 Organizing Committee, Chicago, May 15-16, 2006

Member, VENT 2009 Technical Committee, October 18-19, Zurich

**January, 2000- May, 2002**

**Senior Scientific Advisor and Senior Consultant, REA Ltd., Toronto**

Peer review of industrial hygiene survey reports, assistance with development of contract proposals, advice to industrial hygiene staff on technical matters, authoring of technical articles for REA's newsletter, and liaison with key clients. Preparation of a monograph on respiratory protection

**July 1991 – Jan. 2000**

**District Manager, Central Region, Ontario Ministry of Labour**

Responsible for administering of the Occupational Health & Safety Act, Employment Standards Act, Wage Protection Act; supervising Health and Safety Officers and Employment Standards Practice Officers and managing the Ministry Health & Safety Program for the Ontario Central Region.

**June, 1987 – July, 1991**

**Principal Occupational Hygiene Advisor, Ontario Ministry of Labour**

Responsible for planning, developing, evaluating and implementing occupational health standards; providing expert advice on complex occupational hygiene issues in order to develop strategic policy in the field of occupational health and safety; interacting and co-ordinating special field projects related to occupational hygiene; effectively analyzing, evaluating and reporting on all issues related to respirator selection policy, air sampling and analysis; maintaining liaison with international standard setting organizations.

**Chaired** Inter-Ministerial Committee on Indoor Air Quality (1986-1988).

**Advised** external and internal occupational hygiene consultants on silica, asbestos, IAQ, ventilation and respirator regulations.

**Chaired** WHMIS Technical and Policy advisory Committee addressing enforcement issues arising in the field and requiring legal, technical and policy advice.

**Participated** as a member of the Bill 194 Implementation Committee to draw up the protocol for second hand smoke exposure investigations (1988-1989).

**Published** 13 scientific and technical articles on air quality assessment and respirator selection in various journals (see List of Publications)

**Participated** as a member of the Joint Technical Committee, Municipal-Industrial

Strategy for Abatement Program (MISA).

**Drafted** background documents on respirator decision logic, sewage treatment plants, indoor air quality policy strategy, asbestos abatement program for schools, welding fumes etc.

**Participated** on several organising Committees for international conferences on occupational hygiene, indoor air quality, personal protective equipment and ventilation.

### **January 1977-January 1987**

#### **Chief, Occupational Health Hygiene Service & Occupational Health Engineering Services, Ontario Ministry of Labour**

**Responsible** for directly supervising 7 senior engineers/hygienists and indirectly 25 field hygienists and 25 field technicians located in six major regional offices.

**Administered** the Occupational Hygiene Program for the entire province.

**Responsible** for fiscal resource management for 20-65 field staff.

**Liaised** with Workers Compensation Board (now WSIB), other Ministry Branches and the public to explain health and safety legislation and recommend mitigating actions for various designated substances including asbestos and silica.

**Prepared** several technical and administrative guidelines for field hygienists and technicians on identification, evaluation and control measures of occupational hazards.

**Trained** industrial, construction and mining Ministry of Labour safety officers for preliminary occupational hazard recognitions including asbestos, silica and other respiratory hazards.

**Prepared** draft regulations on the use of respirators for silica and asbestos.

**Lectured** on ventilation and dust control at University of Toronto, McMaster University & University of Western Ontario, London, Canada.

**Chaired** IAPA/OHAO education committee.

**Appeared** as an expert witness before the Royal Commission, on matters of health and safety arising from the use of Asbestos in Ontario. The Royal Commission report referenced my published articles and book related to asbestos exposures in Ontario (see List of Publications).

**Co-founded** the Canadian Registration Board of Occupational Hygienists (CRBOH) and assumed the responsibility of Secretary-Treasurer.

**Co-founded** the International Occupational Hygiene Association (IOHA) in Montreal, May 1987 and was appointed chairman, Ethics Committee.

**Published** three reference books on asbestos and respirators (see List of Publications).

**July, 1968-June, 1977**

**Supervisor, Dust Control Section, Environmental Health Services Branch (later Occupational Health Branch), Ontario Ministry of Health**

**Responsible** for directly supervising two engineers and one technician.

**Acted** as an expert advisor to industrial management, industrial chest disease services, industrial safety branch and mines branch by investigating and suggesting corrective measures as required for control of dust hazards in industrial, construction and mining establishments.

**Extensively** involved in research on dust sampling and analysis strategy for the province.

**Lectured** at Humber College, Seneca College and Ryerson Polytechnique on dust sampling, analysis and control.

**Frequently invited** by various provincial safety associations to lecture in their training courses on dust control measures and respirator selection policy.

**Successfully implemented** several dust control strategies and initiatives for Ontario.

**September 1966-June 1968**

**Scientific Officer, Canada Department of Energy, Mines and Resources, Elliot Lake, Ontario, Canada.**

**Responsible** for extensive investigation and research in mine dust sampling and analysis.

**Developed** a new dust-sampling instrument for uranium mines

**Prepared** several reports on comparison of various dust sampling instruments and their characteristics in regards to coal, silica and other mine dusts.

**INTERNATIONAL POSITION (CONTRACT)****December 1987- December 1988.****Consultant, United Nations Development Program.****Responsible** for developing occupational health & safety programs for selected institutions in India.**ACADEMIC APPOINTMENTS (1987-1995)****Assistant Professor**, Department of Medicine and Biostatistics, University of Toronto**Adjunct Professor** (full), Department of Chemical Engineering, University of Toronto**Part-time Lecturer**, Department of Environmental Engineering, University of Western London, Ontario.**EDUCATION**

<b><u>University</u></b>	<b><u>Degree</u></b>	<b><u>Year</u></b>
<b>Queen's University</b> , Kingston, Ontario Canada. Thesis: Critical Velocities of Mineral Dusts. Faculty: Mining Engineering <b>Award:</b> George C. Bateman Fellowship.	M.Sc.(Engineering)	1966
<b>Ranchi University</b> , India Major: Dust Control in Coal Mines Minor: Mine Engineering <b>Award:</b> Vice Chancellor's Scholarship.	B.Sc. (Engineering)	1963

**PROFESSIONAL CERTIFICATES**Registered Professional Engineer Ontario (**P.Eng.**) since 1966.Certified Industrial Hygienist (**CIH**) since 1982.Registered Occupational Hygienist (**ROH**) since 1988.

**AWARDS**

<b>Amethyst Award</b> for outstanding achievement by an Ontario Civil Servant in Occupational Health & Safety.	1995
<b>Hugh M,Nelson Award</b> of Excellence in Occupational Hygiene by the Occupational Hygiene Association of Ontario	1997
<b>Life Achievement Award</b> by OH&S Magazine, Canada.	1999
<b>Award of Excellence</b> for Professional Achievements by the Industrial Accident Prevention Association (IAPA) sponsored by 3M Canada.	2000
<b>ACGIH Meritorious Achievement Award</b>	2009

**SPECIAL RECOGNITION AT LIFE ACHIEVEMENT AWARD (1999)**

*“Gyan Rajhans is most celebrated for his 1976 work which demonstrated the link between carbon dioxide levels in indoor air, an indicator of inadequate fresh air supply, and the set of symptoms that characterize sick building syndrome. He was also instrumental in the development of the first detailed protocol of IAQ investigations, published by the Ministry of Labour as part of its 1988 Interministerial Committee Report on IAQ.”*

**PROFESSIONAL SOCITIES (Elected Offices)**

Vice-Chair-elect, Vice-Chair, Chair, Past Chair, <i>ACGIH</i>	1995-1998
Director, <i>ABIH</i>	1988-1995
Secretary-Treasurer, <i>CRBOH</i>	1988-1992
Chair, Ethics Committee, <i>IOHA</i>	1987-1990
Director, <i>OHAO</i>	1976-1978

**PROFESSIONAL SOCIETIES AND COMMITTEES (Appointments)**

- Chair, ACGIH Industrial Ventilation (IV) Committee 2002-present
- Editorial Board, AIHA Journal 1983-2000
- CO-Chair, AIHCE, Toronto, Canada 1999

- Vice-Chair, ACGIH IV Committee 1993-1995
- Member, ACGIH IV Committee 1974-1995
- Founding Member, International Society  
Of Indoor Air and Climate 1991
- Member, Organizing Committee, the 5th International  
Conference on Indoor Air Quality and Climate 1990
- Chairman, Scientific Program, 3rd International  
Conference on Ventilation and Contaminants 1991
- Member, Program Committee, AIHC&E, Orlando 1990
- Member, ACGIH Air Sampling Instruments Committee 1974-1988
- Co-Chair, AIHC&E, Montreal 1987
- Chair, Technical Committee, 1st International  
Conference on Ventilation and Contaminants 1985
- Chair, Education Committee, OHAO 1980-1985
- Member, AIHA Trade Practices Committee 1974-1978

### **PROFESSIONAL SOCIETY MEMBERSHIPS**

- American Industrial Hygiene Association(AIHA) 1970-present  
American Conference of Governmental
- Industrial Hygienists (ACGIH) 1967-present
- American Academy of Industrial Hygienists. 1988-present
- Occupational Hygiene Association of Ontario 1969-present
- Association of Professional Engineers, Ontario 1967-present
- International Society of Indoor Air Quality 1991-1998

### **PUBLICATIONS**

#### **Technical Reference Books (Principal Co-author)**

1. “**Engineering Aspects of Asbestos Dust Control**”, published by *Ann Arbor Science Publishers*, 278 Collingwood, P.O. Box 1145, Ann Arbor, Michigan 48106, U.S.A. March, 1978.
2. “**Asbestos Sampling and Analysis**”, published by *Ann Arbor Science Publishers*, The Butterworth Group, 230 Collingwood, P.O. Box 1425, Ann Arbor, Michigan, 48106, U.S.A. June, 1981.
3. “**Practical Guide to Respirator Usage**”, published by *Butterworth Publishers*, 80 Montvale Avenue, Stoneham, Mass., 02180, U.S.A. January 1985.

4. “**2<sup>nd</sup> Edition of Practical Guide to Respirator Usage**” published by Butterworth/Heinmann, Elsevier Science, 225 Wildwood Avenue, Woburn, MA 01801-2041. USA, June 2002.

#### **List of Technical and Scientific Papers (Published & Presented)**

1. “Critical Velocities of Mineral Dusts”- Canadian Mining Journal, pp. 85-88, October 1967
2. “Development and Application of Air Permeability Technique for Measurement of Surface Areas of Dust” Fuels and Mining Practice Division Report MP. 67/43, Canada Department of Energy, Mines & Resources, Ottawa “, July, 1967.
3. “Evaluation of Electronic Scanner”, Fuels and Mining Practice Division, Report MR. 67/42, - Canada Department of Energy, Mines & Resources, Mines Branch, Ottawa. October 1967.
4. “Electronic Counting of Konimeter Slides” Fuels and Mining Practice Division, Report MR. 67/42, - Canada Department of Energy, Mines & Resources, Mines Branch, Ottawa. July 1967.
5. “Sampling of Airborne Dust with Membrane Filters”- Canadian Mining Journal, pp. 79-81, October 1968.
6. “Application of a Laser Beam in Establishing a True Vertical Line Useful for Shaft Plumbing Purposes”- Canadian Mining Journal, pp. 45-47, November 1968.
7. “Fibrous Dust – Its Measurement and Control”- The Canadian Mining and Metallurgical Bulletin, pp.900-910, August 1970.
8. “Considerations in Duct Design”- Canadian Mining Journal, pp. 100-102, October 1970.
9. “Dust Conditions in Brick Plants of Ontario”- AIHA Journal, pp. 259-268. (Abstracted in all the Industrial Hygiene Journals of the world) April 1972.
10. “Talc Dust and Its Toxicity”- The Canadian Mining and Metallurgical Bulletin, pp. 117-118, April 1974.
11. “An Industrial Hygiene Study of Dust Exposure in Brick Plants of Ontario”, Journal of the Canadian Ceramic Society, Vol. 43, pp. 74-82, April 1974
12. “A Statistical Analysis of Asbestos Fiber Counting in the Laboratory and Industrial Environment”- American Industrial Hygiene Association Journal, pp. 909-915. December 1975.



13. Review of the book, "Respiratory Protection – OSHA and the Small Business", American Industrial Hygiene Journal, pp. A 21-22 September 1976.  
Review of the book, "Abrasive Blasting Operations" AIHA Journal, pp. A 14-15, March 1977  
Review of the book, "Human Variability and Respirator Sizing" AIHA Journal, pp. A-16-18, March 1977.
14. "The Uses and Production of Asbestos"- Presented at the Asbestos Seminar, University of Toronto, March 15, 1977
15. "The Uses and Abuses of Respiratory Protection in Industry", (Co-author) Occupational Health in Ontario, Vol. 30, No. 1, Fall-Winter, 1977.
16. "Here is an Update on Asbestos"- International Journal of Occupational Health and Safety. Pp. 38-43, December 1977.
17. "Sources of Exposure and Dust Control in Ontario Industries", Presented at AIHA Symposium on silica and silicosis, Bristol Place Hotel, Toronto, October 30, 1978.
18. "Silica Flour Exposures in Ontario" (Co-author) – American Industrial Hygiene Association Journal, pp. 261-269, April 1978
19. "Employee Education, Management, Support Can Halt Respirator Abuse" International Journal of Occupational Health and Safety, pp.30-34, July-August 1978.
20. "Inertial, Gravitational and Diffusional Collectors"- Air Sampling Instruments, 5<sup>th</sup> Edition, A.C.G.I.H., May1978.
21. "A Review of Asbestos Exposures in Ontario" (Principal Author) – American Industrial Hygiene Journal, pp. 767-771, September 1978.
22. "Occupational Health Hazards and Their Control in the Manufacture and Handling of Pesticides in Ontario", (Co-author)- Presented at the sixth International Symposium on the Prevention of Occupational risks in the Chemical Industry, Frankfurt, Germany, May 18-19, 1979
23. Review of "NIOSH Special Occupational Hazards Review with Control Recommendations" – AIHA Journal, p. A-48, December 1979
24. Review of "Technical Report – Development of a Prototype Service-Life Indicator for Organic Vapor Respirators"- AIHA Journal, p. A-26, July 1979.
25. Review of "An Evaluation of Cotton Dust Control System"-AIHA Journal, p.

A-34.- July 1979

26. Review of “NIOSH Criteria for Recommended Standard-Occupational Exposures in Coal Gasification Plants”- AIHA Journal, p. A-36, July 1979.
27. Review of “NIOSH Supplement and Index to Grain Dust Fire and Explosion Bibliography”- AIHA Journal, September 1979.
28. Review of “Long-Term Performance of Charcoal Absorber Removing Radioiodine in Ventilation Exhaust Air”- AIHA Journal, p. A-46, September 1979.
29. Review of “NIOSH Criteria for a Recommended Standard...Occupational Exposures in Diisocyanates”- AIHA Journal, p. A-38, November 1979.
30. “Occupational Health Hazards and Their Control in the Manufacture and Handling of Pesticides in Ontario”, (co-author)- Proceedings of 6th International Symposium on Prevention of Occupational Risks in the Chemical Industry, Frankfurt, Germany, pp. 441-455, June, 1979.
31. “Assessment of Airborne Free Silica in Gold Mines”, (Co-author), Presented at the American Industrial Hygiene Conference, Portland, Oregon, U.S.A., May 22-28, 1981.
32. “An Assessment of Acrylonitrile Control Technology”, (Co-author), Presented at the American Industrial Hygiene Conference, Portland, Oregon, U.S.A., May 22-28, 1981.
33. “A Review of Health Risks in Acrylonitrile Industry”, (Co-author), Presented at the 20th International Congress on Occupational Health, Cairo, Egypt September 25-October 1, 1981.
34. “10mm Nylon Cyclone Dust Sampler: A Critique”, (Co-author)- Occupational Health in Ontario, Vol. 3, No. 2, April 1982.
35. “International Workshop and Conference on Training and Education in Occupational Hygiene” Occupational Health in Ontario, Vol. 8, No. 1, winter 1987
36. “Asbestos Identification and Sampling” (co-author) - Occupational Health in Ontario, Vol. 3, No. 3, July 1982.
37. “Inertial and Gravitational Collectors”- Air Sampling Instruments, 6<sup>th</sup> Edition, ACGIH, 6500 Glenway Avenue, Building D-5. Cincinnati, Ohio, 45211, U.S.A., pp. Q.1-Q.40, 1983.

38. “Indoor Air Quality and CO<sub>2</sub> levels” – Occupational Health in Ontario, Vol. 4, No. 4, October 1983.
39. “Assessment of Health Hazards”- Proceedings of the Seminar on Health Hazards in the Workplace, Assessment and Control, pp. E1-E13, June 14-15, 1983.
40. “Ventilation Design and Measurement (Local Exhaust)” – Proceedings of the Seminar on Health Hazards in the Workplace, Assessment and Control, Pp. N1- N43, June 14-15, 1983.
41. “Use of Respirators for Asbestos Exposures in Ontario” –First Conference on International Society of Respiratory Protection, St. Paul, Minnesota. August 22-26, 1983.
42. “Program Policy in Ontario”, American Industrial Hygiene Conference, Detroit, Michigan, May 24, 1984.
43. “Rationale for CO<sub>2</sub> levels in the Office Environment”, Environmental Concerns in Offices and Homes, London, Ontario, September 24-25, 1984.
44. “Automotive Body Repair Shop Hazards”- Occupational Health in Ontario, Vol. 5, No. 4, October 1984.
45. “Designated Substance – Do You Know How to Establish a Control Program?” – Workshop on Assessment and Control of Hazardous Substances, IAPA, June 11-12, 1985.
46. “An Overview of Internationally Regulatory Requirements for Respiratory Equipment”, presented at the Second International Society of Respiratory Equipment Conference, York, England, September 2-5, 1985.
47. “Rationale for Carbon Dioxide Guidelines as an Indicator of Insufficient Fresh Air”- Proceedings of the Fourth Canadian Building Congress, National Research Council of Canada, Ottawa, Ontario K1A 0R6, pp. 251-256, November 1985.
48. “International Workshop and Conference on Training and Education in Occupational Hygiene”- Occupational Health in Ontario, Volume 8, No. 1, Winter, 1987.
49. “Occupational Exposure to Cobalt in Ontario”, American Industrial Hygiene Conference, Montreal, May 31 – June 5, 1987.
50. “Regulation Respecting Control of Exposure to Biological or Chemical Agents”, O.H.A.O. –I.A.P.A. Conference, “Hazardous Materials and the Right-to-Know”, Toronto, September 30, 1987.

51. "Occupational Hygiene and Medical Inspection Survey of 51 Sewage Treatment Plants in Ontario", Ontario Chapter of Air Pollution Control Association, Conference, Kingston, April 18, 1988.
52. "Respirator Fit and Facial Hair-Regulator's Dilemma"(co-author)- Applied Industrial Hygiene, Pp. F 24-27, November 1988.
53. "Inter-Ministerial Committee on Indoor Air Quality, a Progress Report", Construct Canada '88 Conference, Toronto, June 2, 1988,
54. "Hygiene Aspects of Occupational Exposure to Waste Anaesthetic Gases in Ontario Hospitals."- Ann. Occup. Hyg. Vol. 33, No. 1, pp. 27-45, 1989.
55. "Occupational Health Hazard Survey of 51 Ontario Sewage Treatment Plants." Occupational Health in Ontario, Vol. 10, No. 1, Winter 1989.
56. "Findings of the Inter-Ministerial Committee on Indoor Air Quality (Ontario)". Proceedings of the ASHRAE/SOEH Conference IAQ '89 San Diego, CA Pp. 195-223, April 17-20, 1989
57. "A Respiratory Protection Program: The Essential Components"(co-author) Applied Industrial Hygiene, F22-27, November 1989.
58. "WHMIS ENFORCEMENT ISSUES/RESOLUTION"- Occupational Health in Ontario Vol. 11, No. 3 pp. 136-144, summer, 1990.
59. "Field Validation of Indoor Air Quality Questionnaire"(co-author)- Proceedings of the 5<sup>th</sup> International Conference on Indoor Air Quality and Climate Toronto, Ont., pp. 593-598. 29 July - 3 Aug. 1990.
60. "Integrating a Questionnaire into the IAQ Investigation: A Case Study Using the Questionnaire Designed by the Inter Ministerial Committee" (co-author) Proceedings of the 5<sup>th</sup> International Conference on IAQ, Toronto, Ont., pp. 623-628 29 July - 3 Aug. 1990.
61. "Administration of Indoor Air Quality Questionnaires" (co-author) Occupational Health in Ontario, Vol. 12, No. 2, pp. 99-102, spring/summer 1991
62. "A Simplified IAQ Questionnaire to Obtain Useful Data for Investigating Sick Building Complaints"(co-author)- American Industrial hygiene Association Journal 52(8): A434-437, 1991.
63. "A Preliminary Comparison of United States, Ontario and European Regulations on Occupational Health" (co-author), presented at the A.I.H. Conference, Salt Lake City, June 1991.

64. “Proceedings of Ventilation’ 91” Co-editor, published by ACGIH, Cincinnati, OH, USA, 1993.
65. “Revisiting the TLV Process” Fifth Symposium on Health hazards in Work-Environment, Polish Association of Occupational Hygienists, Ludz, Poland, Nov. 3, 1997.
66. “Global Advancements in Occupational Health and Safety” National Safety Congress, Los Angeles, October 25-30, 1998.
67. “Health and Safety in a Global Marketplace” A.I.H.C & E., Toronto, June 5-11, 1999.
68. “Intro to Cradle to Grave TLC for your Industrial Ventilation System” Presented at AIHce, Atlanta, GA, May10, 2004.
69. “Historical Review of American Asbestos Standards” Published at [www.atla.org](http://www.atla.org), September 2005.
70. “Retrospective Occupational Exposure Assessment” co-presented at AIHce, Chicago, May 16, 2006

### **Invited Presentations and Publications**

- “Industry Needs Data on Respirators” Presented at the Annual Construction Safety Association Conference, Toronto, January 1978
- “Basic Principles of Industrial Hygiene.” Occupational Health Seminar Sponsored by Ontario Section of AIHA in co-operation with IAPA, June 22, 1981
- “Government Regulations on Protective Equipment.” A symposium on Selected Topics in Industrial Hygiene Presented by Ontario Section of AIHA, February 25, 1982
- “Ontario Regulations-Application & Assessment.” Occupational Health Hazards-Assessment and Control Sponsored by Occupational Hygiene association of Ontario, June 19, 1984.
- “Indoor Air Quality in Schools.” Annual Meeting of Ontario Association of School Business Officials. Kitchener, Ontario November 11, 1988.
- “Criteria for Indoor Air Quality” American Industrial Hygiene Conference, San Francisco, May 16, 1988.

- Air Pollution Control Association, Ontario Section “Socio- Economic Perspectives on IAQ” March 16, 1989.
- Spring Symposium and Annual General Meeting of Occupational Hygiene Association on Ontario, “Interministerial Indoor Air Quality Report” March 31, 1989.
- IAQ ‘89 organized by ASHRAE, San Diego, U.S.A. “Procedure and Protocol for IAQ Investigations” April 20, 1989.
- Annual Meeting of ASHRAE London, Canada Chapter, “Are Present ASHRAE Standards Significant?” April 24, 1989.
- American Industrial Hygiene Conference, St. Louis, U.S.A. “Significance of Questionnaire in IAQ investigations” May 24, 1989.
- “Comparison of EPA Guidelines and Ontario Guidelines for IAQ”; Presented at NATO/EPA Conference, Washington, D.C., October 25-27, 1989.
- “Exposure Limits-Government Perspectives” Presented at Fall Symposium of Occupational Hygiene Association of Ontario, Nov. 7, 1989
- “Industrial Ventilation Design”; Seminar for Technical University of Nova Scotia at Ramada Inn, Toronto, Nov. 20-22, 1989.
- “Protocol and Procedure of Office Air Quality Investigations”; IAPA Seminar, April 11, 1990.
- “Current Guidelines for School and Residential IAQ Investigations”; Canadian Institute of Public Health Inspectors, Perth, Ontario, May 2, 1990.
- “Local Exhaust-Hood Design”; Industrial Ventilation Systems Seminar, University of Toronto, December 13-14, 1995.
- “Indoor Air Quality, Past and Present”; Annual Meeting of Brazilian Occupational Hygiene Association, August 21, 1997.
- “Evolution of ACGIH-TLV Process”; Occupational Hygiene Conference’98, B.C. Institute of Technology, Burnaby, B.C., Canada, June 9, 1998.
- “Introduction to Indoor Air Quality”; Health & Safety Conference’98, IAPA, Toronto, Canada, April 28, 1998.
- “Comprehensive Review of IAQ and Protocol of IAQ Investigation”; PDC, IAPA, Toronto, Canada, April 30, 1998.

- “Indoor Air Quality Including Biological Contaminants in Schools”; PDC, Health & Safety, 1999, April 28, 1999.
- “What are the OELs anyway?” Safety Committee.net, vol.1, Issue 1, March, 2000.
- “About Air Sampling- Part 1 &2”; Safety Committee. net, vol.1, Issues 6 & 7, March/April and May/June , 2001
- “Industrial Hygiene Aspects of Asbestos Litigations”; Keynote Speaker at ATLA 2005 Annual Convention, Toronto, Canada, July 25, 2005.