

CURRICULUM VITAE

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EMPLOYMENT AND EXPERIENCE

2009 – Present IP Consulting

Provides consulting to all stakeholders of pulp and paper industry. Past clients include and paper mills and industry suppliers located in Canada, USA, South America and China, government organizations and FPInnovations. Member, Selection Group for Discovery Grant at National Science and Engineering Research Council Canada. Associate editor of The Journal of Science and Technology for Forest Products and Processes. Visiting professor at three universities in China.

1980 – 2008 FPInnovations, Paprican Division (Montreal, Canada)

Manager, Papermaking Program

Supervised the department with up to 60 members involved with papermaking research and development. Responsible for the initiation of projects, their progress and termination, and for the transfer of new technologies to mills. Extensive contacts with the industrial clients and universities.

Formulated, initiated and supervised for the first two years a \$ 4 million per year program aimed at development of Transformative Technologies for Pulp and Paper.

Was a driving force behind the construction of a world-class pilot paper machine, which was conceived and built by Paprican. Personally involved in the initiation of projects dealing with the effect of pressing on product quality, granite roll replacement, web-transfer system, high-intensity drying, combined infrared and impingement drying, application of novel papermaking polymers, neutral papermaking using mechanical pulps, wet-end surface application, and white-water closure, forming studies and increasing the filler content.

Developed a felt permeability tester, which is now used worldwide and is considered the most important tool for the press section evaluation. Contributed to the development of the web-transfer system. Initiated the development of novel wet-end surface application technique.

Became world-renowned expert on granite press rolls and their replacements. Initiated a project on granite replacement, jointly with the University of Sherbrooke, NRC Tribology Laboratory, McGill University and Valmet Corporation. Obtained external financing for these projects.

Developed, and delivered a series of new courses on behalf of Paprican, PAPTAC, and TAPPI. Presented graduate or undergraduate courses at McGill University, l'École Polytechnique and l'Université du Québec a Trois-Rivières as well as at University of South China in Guangzhu. Delivered customized courses for several private Canadian, US and South American companies.

1978-1980 Dominion Cellulose, a mill of International Paper (Toronto, Canada)

Research Chemist, Chemical Engineer

Developed a simpler and inexpensive method for the production of high bulk tissue. The laboratory work was performed in house, and by other research organisations; planned and conducted four pilot paper trials in the USA and Europe; identified and tested new machinery, patent considerations. The method was patented, used for a decade by the mill and licensed for use in other mills Europe and Latin America. At one point the licensee fees were about \$ 1 million per year.

1977-1978 Spring Chemicals (Compiègne, France and Toronto, Canada)

Research Chemist, Chemical Engineer

As sole Canadian representative, managed to complete the construction and started up a pilot plant located in France for the recovery of sulphur dioxide from stack gas. Determined that the reaction kinetics was the reason for incomplete SO₂ recovery. In the research centre Hoechst France in Paris developed methods for quantitative analysis of the recovered sulphur dioxide.

1976-1977 Swiss Federal Institute Of Technology (Zurich, Switzerland)

Research Fellow

Investigate the mechanism of decomposition of unstable industrial chemicals in a leading European institute of technology.

EDUCATION

1997 MIT – Sloan School of Management, Certificate in Management of Research
1977 Research Associate, Swiss Federal Institute of Technology, Zurich, Switzerland
1976 Ph.D. Chemistry, McMaster University, Hamilton, Ontario, Canada
1966 B. Eng. Chemical Engineering, Slovak Technical University Bratislava, Czechoslovakia.

PUBLICATIONS

Authored several patents and more than 80 publications in technical journals and books; gave over 100 conference presentations including some invited plenary lectures and key-note lectures.

ORGANISATIONS

PAPTAC, past Chairman of Water Removal Committee and of Paper Machine Technology Committee

TAPPI, Member of the Water Removal Committee

L'Ordre des Ingénieurs du Québec

During ten years acted as Adjunct Professor, McGill University, Montreal

Lecturered at l'Université du Québec à Trois Rivières and l'Ecole Polytechnique, Montreal

Member of the Materials and Chemical Engineering Evaluation Group of Natural Sciences and Engineering

Research Council of Canada, 2009-2012

LANGUAGES

English, French, German, Russian, Slovak, some Spanish and Chinese

PERSONAL

Slovak origin, studied and spent most of life in Canada. Married, has two adult children.

HOBBIES

Reading, cross-country skiing (seven golden medals from Canadian Ski Marathon), mountain hiking, bicycling, former competitor in running (numerous medals), cross-country skiing, canoeing and kayaking (on gold one silver medal from Canadian Master Competition) now carries sport activities only recreationally.