

**Mr. Tiberiu Spulber, P.Eng.** holds a Masters degree in Aerospace Engineering with a Major in Avionics. He has 12 years experience in providing general HVAC consulting services, completed with 8 years of highly specialized consulting in the field of acoustics. His experience covers architectural acoustics, mechanical noise control, environmental noise control and vibration analysis and control.

In architectural acoustics, he has provided services for a wide range of projects including auditoria, boardrooms, universities, churches, recording studios, sports, fine arts facilities, laboratories, etc. The scope of work for these projects included design services for new facilities and investigation and recommendations for improving the acoustics of existing facilities. He is experienced in using design modelling and investigation tools.

Mechanical system noise control has formed a major component of his work on most architectural projects, for both new and existing facilities.

In the Environmental Noise Control field, Mr. Spulber has prepared many studies for site plan approval for new developments dealing with road and light rail traffic impact, impact of stationary noise sources on residential areas, blast noise impact, etc. He was part of the team that developed the 2004 noise by-law for the City of Ottawa.

Vibration Analysis and Control is an area of special interest for Mr. Spulber. In addition to specifying vibration isolation on many projects, he has conducted baseline vibration assessments for medical/scientific equipment and has investigated many vibration complaints. He is particularly interested in structure borne noise and the correlation between structural vibration and associated sound levels.

He is a member of the Canadian Acoustical Association and of the Acoustical Society of America.

**Position:** Senior Consultant,  
BKL Consultants Ltd.

**Education:** Master of Science  
(Aerospace Engineering)

**Years of Experience:** 12 years - HVAC  
8 years - Acoustics

**Expertise:**

**Architectural Acoustics**

- UBC - Beaty Biodiversity Research Centre, Vancouver
- CBC Expansion - Vancouver, BC
- The Banff Centre - Rolston Hall Acoustics and Sound Isolation - Banff, AB
- Vancouver Chinese Evangelical Church
- Telus Teleconference Room - Vancouver, BC
- Scotia Festival Hall - Halifax, NS, reverberation measurements

**Mechanical Noise Control**

- Gateway Villa Casino - Burnaby, BC
- UBC - Museum of Anthropology, Vancouver
- Brookstreet Hotel, Ottawa, ON
- University of Western Ontario - London, ON - Lecture theatres
- Ottawa - 700 Sussex - Residential building, etc.

**Environmental Noise Control**

- Vancouver Convention Centre Expansion Project - Underwater noise monitoring
- Davidson & Morrison Mines - Environmental Noise Assessment
- CERL Ottawa - Blast noise assessment
- Ottawa Ottodrome - Noise assessment, etc.

**Vibration Analysis and Control**

- UVic Wright Centre - Telescope base vibration
- Transformer Vibration - multiple projects
- Royal Canadian Mint punch press vibration
- Many projects on elevator structure borne noise transmission to adjacent residential units

**Audio Video Design**

- Gibraltar Room - Williams Lake, BC
- North Grenville Municipal Centre - Kemptville, ON
- Bayshore Mall - Ottawa, ON

