

Mr. Meszaros, P.Eng. has practised as an acoustics, noise, and vibration consultant since 2000. He has done work in many areas including architectural acoustics, environmental noise impacts, and floor/ground vibration studies. In addition, he has developed specialized expertise in the field of wind-induced noise.

His work has included building projects from around the world with a primary focus on universities, hospitals and research facilities dealing with issues such as: interior acoustics; privacy; mechanical noise and vibration impacts; floor vibration impacts on comfort and/or sensitive equipment; and environmental noise. His contribution on such projects has included design advice, site measurements, modelling, and design meetings.

Many of the projects that Mr. Meszaros has worked on house spaces with challenging adjacencies and stringent, often conflicting, requirements. This experience enables him to provide various solution options to building design issues to address occupant, designer, and owner needs. These solution options allow design teams to work towards practical solutions that meet the holistic needs of projects.

Vibration impacts on sensitive spaces is a particular interest of Mr. Meszaros. His work in this area includes vibration impacts from road, rail and construction activities on sensitive research facilities and rare artifacts in museums as well as assessment of human comfort and building damage issues. This work also includes impacts from human activity (walking or rhythmic) on sensitive spaces that range from medical imaging equipment and electron microscopes to human comfort issues.

Position: Senior Consultant,
BKL Consultants Ltd.

Education: Bachelor of Science
(Mechanical Engineering)
Master of Science
(Biosystems Engineering)

Years of Experience: 9

Expertise:

Comprehensive Acoustics, Noise, and Vibration Studies

- East River Science Park, New York, NY, USA.
- University of North Carolina, Imaging Research Building, Chapel Hill, NC, USA.
- Kingston General Hospital, Kingston, ON, Canada.
- University of Guelph New Science Complex, Guelph, ON, Canada.
- Children's Memorial Hospital, Chicago, IL, USA.
- Tufts University, New England Regional Biosafety Laboratory, Grafton, MA, USA.

Environmental Noise

- Harvard University Faculty of Arts and Sciences Building, Cambridge, MA, USA.
- Cardinals Stadium, St. Louis, MO, USA.
- Petro-Canada Lubricants Centre, Mississauga, ON, Canada.
- EPA, Cincinnati, OH, USA.

Vibration Studies

- University of Virginia Materials Science Engineering and Nanotechnology Building, Charlottesville, VA, USA.
- University of Washington Bioengineering Building, Seattle, WA, USA.
- Isabella Stewart Gardner Museum, Boston, MA, USA.
- University of Alberta NINT Laboratories, Edmonton, Alberta.
- Sault Area Hospital, Sault Ste Marie, ON, Canada.

Wind-Induced Noise

- Cooper Union, New York, NY, USA
- London Bridge Tower, London, England.

