Ms. Ping Chen, P.Eng. has a Masters degree in Mechanical Engineering with specialization in machinery vibration analysis. She has been actively engaged in noise and vibration control since 2000 and has worked as an acoustical consultant since 2001. Her professional experience covers architectural acoustics, noise isolation of multi-family residential projects, building service noise control, vibration control, industrial noise control, transportation and environmental noise assessment.

Her work in architectural acoustics has involved a wide range of projects including universities, schools, worship facilities, recording studios, office buildings, sports complexes, theatres and performance spaces. She has provided advice on room acoustics and noise isolation of both exterior and interior noises. She has investigated acoustical deficiencies in existing facilities and provided recommendations for improvement. She is experienced in building HVAC noise control and mechanical equipment vibration control.

Many of her projects have included exterior noise control and interior noise isolation for multi-family residential developments. Her work includes evaluation of building envelop to control exterior noise sources including aircraft, road traffic and entertainment. She has provided recommendations on wall and floor assemblies to improve airborne and impact sound isolation between suites and between commercial and residential components of mixed-use projects. She has advised on control of noise from plumbing, elevators, mechanical and electrical equipment, and building ventilation system.

Ms. Chen has also been involved in a variety of environmental impact assessment projects including transportation, industrial and energy related facilities. She has conducted baseline noise measurements and impact assessments for transportation projects and presented in community open houses. She is proficient with various noise modelling software including TNM, ENM and Cadna/A. Other environmental projects have included compressor stations, mining operations, pumping stations, construction noise, and airport facilities.

Position: Senior Consultant, BKL Consultants Ltd.

Education: Master of Science (Mechanical Engineering)

Years of Experience: 9

Expertise:

Architectural Acoustics
- UBC CIRS
- UBC Buchanan Complex Revitalization
- Thompson Rivers University Gathering Place
- Trinity Western University
- SFU TASC1 & TASC2
- SFU ASSC1
- Steveston/London Secondary School
- BCIT Sound Studio
- St. Joseph's Church Langley
- Coastal Church Vancouver
- Coquitlam Spirit Square Outdoor Plaza

Multi-Family Residence Noise Control
- Olympic Village
- Morgan Crossing - Larco
- The Pier - Pinnacle
- 999 Seymour - Townline
- The Garage - Salient
- Brentwood Gate - Ledingham McAllister

Mechanical Noise Control
- VCC King Edward Campus
- Killarney Ice Rink
- Olympic Skating Oval
- Bentall V

Transportation Noise
- Evergreen Line
- Coast Meridian Overpass
- David Avenue Connector
- North Fraser Perimeter Road
- Canada Line

Environmental Noise Control
- YVR Apron3
- Pile-driving at Vancouver Convention Centre
- Float Plane Terminal Relocation

BKL Consultants in Acoustics

BKL Consultants Ltd. #308 - 1200 Lynn Valley Road, North Vancouver, BC V7J 2A2
Ph 604-988-2508 / Fax 604-988-7457 e-mail: chen@bkl.ca website: www.bkl.ca