

Summer job: Acoustic Signal Processing

Host/supervisor: Rodney Vaughan

Place: Applied Sciences Building, Burnaby campus

Title: Calibration of acoustic systems for microphone array pattern measurement

About: The School of Engineering is developing an acoustic signal processing laboratory. It is deceptively difficult to measure sound with high accuracy, with industry-standard meters giving a variety of sound levels for the same sound environment. To measure and synthesize acoustic fields accurately, there is a need for calibration of multiple loudspeakers and microphones using multiple measuring techniques. The lab has a sophisticated arrangement of