



Project Title: **The *UBC Visible Speech* Project: Combined Animation and Ultrasound Demonstrations of Speech Articulation**

Project Summary (150 words maximum)

All undergraduate students in linguistics and speech sciences need to understand how the vocal organs move to produce speech sounds. This is a challenging subject for both students and teachers, because most of these movements are *hidden*. Media that makes dynamic speech articulations *visible* is therefore an excellent enhancement for our undergraduate classes.

Building on and connecting to existing work, the *UBC Visible Speech* project will make an important new contribution to this area of educational media. Specifically, the project will produce a series of 91 videos, combining two complementary views for each sound:

- An *animated drawing*, illustrating the hidden movements for a sound; and
- An *ultrasound video*, showing the same sound produced by a live speaker.

These movies, available online in an accessible, sustainable, format, will enhance teaching and learning in a way that benefits at least 500 UBC undergraduate students each term, in at least 10 courses.