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W. Wong

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[\(Click here for map and look for EA near the bottom.\)](#)

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Cross appointments (status only):

- Institute of Biomaterials and Biomedical Engineering
- Neuroscience

Visiting positions:

Toyama University (Japan), Cambridge University (UK), Eindhoven University of Technology (Netherlands), Advanced Telecommunications Research (Japan)

Research interests:

My interest is in human and machine perception with emphasis on problems related to pattern recognition, signal processing and modelling. I focus on the development of intelligent algorithms and interface design. My work lies at the intersection of biomedical, computer and communications engineering. Students working in my group typically have an interdisciplinary approach with interests in signal processing, algorithm design, modelling and psychology.

Keywords: vision, hearing, speech, information theory, time-frequency analysis, pattern analysis, multimodal fusion

Support:

This work is currently supported by a number of agencies including Natural Sciences and Engineering Research Council of Canada (NSERC), Canadian Foundation for Innovation (CFI), Defence Research and Development Canada (DRDC) and Advanced Telecommunications Research (ATR).

Courses:

[CSC 190 \(Algorithms, Data Structures and Languages\)](#)

ECE 302 (Probability and Applications)

[ECE 446 \(Sensory Communication\)](#)

[ECE 1774 \(Sensory Cybernetics\)](#)



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