## Dr. Chinh Hoang, Affiliated Member

Dr. Chinh Hoang, affiliated member of the MS2Discovery Institute advances research within one priority research theme at the Institute: Complex Systems, Networks, Information Theory and Algorithms (Tecton 4).

Dr. Hoang joined the Institute in 2014. Currently, he is a Professor at Wilfrid Laurier University for the Department of Physics and Computer Science. Prior to teaching at Laurier, he worked as an assistant, associate, and full professor at Lakehead University. He was also a Humbolt fellow at the University of Bonn as well as an assistant professor at Rutgers University. Dr. Hoang received his PhD in Computer Science from McGill University in 1986.

Dr. Hoang has been awarded the Alexander von Humbolt Fellowship upon two occasions in 1999 and 2000. His areas of expertise include theoretical computer science, graph theory and discrete mathematics. The main focus of his research is on structured graph theory and algorithms in graphs. Dr. Hoang is interested in exploring the boundary between NP - complete and polynomial - time solvable graph recognition and optimization problems. He has taught courses in iPhone app programming as well as Android programming. The iPhone app programming has a competition at the end of the semester where members of the industry form a panel of judges who award prizes to the students.

Dr. Hoang has research assistantship opportunities for undergraduate and graduate students interested in either discrete mathematics of theoretical computer science. He is willing to supervise students at a graduate level in the areas of algorithmic graph theory.