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Patrick Hung

Curriculum Vitae

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Date of Birth 13 Nov 1973 **Citizenship** Canada

Education

Ph.D. (Mechanical Engineering) California Institute of Technology (2003)
M.S. (Mechanical Engineering) California Institute of Technology (1998)
B.A.Sc. (Mechanical Engineering) University of Waterloo (1997)

Experience

Post-doctoral scholar, Center for Advanced Computing Research (03 – present)
Research Assistant, Microelectronics Heat Transfer Lab, University of Waterloo (96-97)
Engineering Analyst, Multimatic Technical Center (95-96)
Research Assistant, Xerox Research Center of Canada (94)

Research Interest

Computational fluid dynamics, finite element analysis, detonations, chemical kinetics and parallel computing.

Publications

Arienti M., Hung P., Morano E., Shepherd J.E. (2003). *A level set approach to Eulerian-Lagrangian coupling*. J. Fluid Mech. 185, 212-251

Hung P., Shepherd J.E. (200). *Reduction of Detailed Reaction Networks for Detonation.* Proceedings of the twelfth international symposia on detonation.