

Tiffany Shaw
Department of Physics, University of Toronto
tshaw@atmosp.physics.utoronto.ca

My cv will be sent via email to 07sstmcs@pims.math.ca.

I am interested in this summer school because my thesis involves constructing a conservative framework, in terms of energy and momentum conservation, for subgridscale parameterization. As such I am using the technique of multiple scale asymptotics to investigate the interaction between large scale flows (those modeled by climate models) and subgridscale flows (gravity waves, convective plumes, boundary layer turbulence). Attending this workshop will be invaluable to my thesis as it will allow me to see how these techniques are applied to convective systems from the perspective of mathematicians and atmospheric scientists. It will also give me the opportunity to discuss issues related to the interaction of multiple scale flows with the leaders in the field and with other graduate students.

Research key words: multiple scale flows, subgridscale parameterization, conservation laws.

Supervisor: Dr. Ted G. Shepherd Address: Department of Physics, University of Toronto 60 St. George St. Toronto, ON M5S 1A7

Supervisor's email: tgs@atmosp.physics.utoronto.ca

I will be traveling from Toronto and the estimated travel cost is 700*CAD*.