



1<sup>st</sup> International Workshop on  
***Econometric Applications in Climatology***

University of Guelph  
Guelph, Canada  
June 5-7, 2013

**Conference Guide**

Schedule .....	2
Venues.....	3
Map of Conference Locations .....	4
Nearby restaurants.....	5
Email Addresses of Presenters .....	6
Acknowledgments.....	6

# SCHEDULE

## WEDNESDAY JUNE 5

5:30- 7:00 PM Organizing Committee Dinner, University Club

7:00-9:00 PM Opening Reception, University Club

Note: The University Club is in the University Centre. Take the North elevators to the 5<sup>th</sup> floor.

## THURSDAY JUNE 6: PATHOBIOLOGY 1800

### 1. Model Selection and Testing

8:45 – 10:45 AM	Chair: McKitrick	Discussant
<i>Model Selection and Shift Detection: General to Specific Modeling in Climatology</i>		Vogelsang
Felix Pretis	University of Oxford	Oxford Martin School
<i>Statistical Evaluation of Climatological Model Output</i>		de Laat
David R. Legates	Department of Geography	University of Delaware
<i>HAC-Robust Trend Comparisons Among Climate Series With Possible Intercept Shifts</i>		Lyubchich
Ross McKitrick	University of Guelph	Department of Economics
Timothy Vogelsang	Michigan State University	Department of Economics

### 2. Break 10:45 – 11:00

### 3. Cointegration Methods

11:00 – 12:20 PM	Chair: Vogelsang	Discussant
<i>Polynomial Cointegration Tests of Anthropogenic Impact on Global Warming</i>		Davidson
Yaniv Reingewertz	George Washington University	Department of Economics
<i>Long-memory and the Sea Level-Temperature Relationship: a Fractional Cointegration Approach</i>		Maynard
Daniel Ventosa-Santaularia	CIDE, Mexico City	Division of Economics

### 4. Lunch 12:20 – 1:00

### 5. Keynote Address 1:00 – 2:00 PM

<i>Can Scientists Understand Climate Change?</i>		
Carl Wunsch	MIT	School of Earth and Ocean Sciences

### 6. Causality Modeling

2:00 – 4:00 PM	Chair: Davidson	Discussant
<i>Using scaling, fluctuation analysis to quantify natural and anthropogenic climate change</i>		Karner
Shaun Lovejoy	McGill University	Department of Physics
<i>Robust Granger Causality Testing of the Effect of Natural and Anthropogenic Radiative Forcings on Global Temperature</i>		Stimac
David I. Stern	Australian National University	Crawford School of Public Policy
<i>Climate Change: The Impact of Greenhouse Gases and Aerosols on Global Temperature – An Econometric Approach</i>		Reingewertz
Thomas Leirvik	Yale University	Department of Economics

### 7. Break 4:00 – 4:15 PM

### 8. Ultra Long Time Scales

4:15 – 5:35 PM	Chair: McCulloch	Discussant
<i>Stationary long memory or nonstationary series with stationary increments?</i>		Essex
Olavi Karner	Tartu Observatory	Remote Sensing
<i>Does Laboratory-Scale Physics Obstruct the Development of a Theory for Climate?</i>		Lovejoy
Christopher Essex	Western University	Applied Mathematics

### 9. Break 5:35-6:30 PM

### 10. Conference Dinner 6:30 – 9:30 PM, Thornbrough Atrium

## FRIDAY JUNE 9

### 11. Paleoclimate

8:45 – 10:45 AM	Chair: McKitrick	Discussant
<i>Posterior Confidence Intervals in linear calibration problems</i>		McNicholas
J. Huston McCulloch	Ohio State University	Department of Economics
<i>Proxy Inconsistency and uncertainty of paleoclimate reconstructions</i>		McCulloch
Steve McIntyre	Climateaudit.org	
<i>Modeling the Interactions in Paleoclimate Data from Ice Cores</i>		David Stern
James Davidson	University of Exeter	Department of Economics

### 12. Break 10:45 – 11:00

### 13. Time Series Analysis of Temperature

11:00 – 12:20	Chair: Davidson	Discussant
<i>On Detecting Non-Monotonic Trends in Environmental Time Series: a Fusion of Local Regression and Bootstrap</i>		Stengos
Vyacheslav Lyubchich	University of Waterloo	Statistics and Actuarial Science
<i>As simple as possible, but not simpler: Should instrumental temperature records be modeled as difference stationary rather than trend stationary processes?</i>		Pretis
Vid Stimac	Hertie School of Governance	

### 14. Lunch 12:20 – 1:15

### 15. Temperature and Precipitation Variability

1:15-2:35 PM	Chair: de Laat	Discussant
<i>Surface Air Temperature Pattern Variability in the Canadian Maritimes</i>		vanWijngaarden
Cristian Suteanu	St. Mary's University	Department of Geography
<i>Increases in extreme rain: Using the Weibull distribution in the Coast of Mexico</i>		Ventosa
S. Marcelo Olivera Villarroel	Universidad Autónoma Metropolitana	

### 16. Break 2:35 – 2:50 PM

### 17. Data Set Construction & Homogenization

2:50 – 4:50 PM	Chair: McCulloch	Discussant
<i>Examination of Archival Data for Inhomogeneities and Determination of Climate Change in North America</i>		Legates
William A. van Wijngaarden	York University	Department of Physics
<i>Encompassing Tests of Socioeconomic Signals in Surface Climate Data</i>		de Laat
Ross McKitrick	University of Guelph	Department of Economics
<i>Tide gauge data and the measurement of Sea Level Rise</i>		
Yaniv Reingewertz	George Washington University	Department of Economics

### 18. 4:50 – 5 PM

Closing Remarks

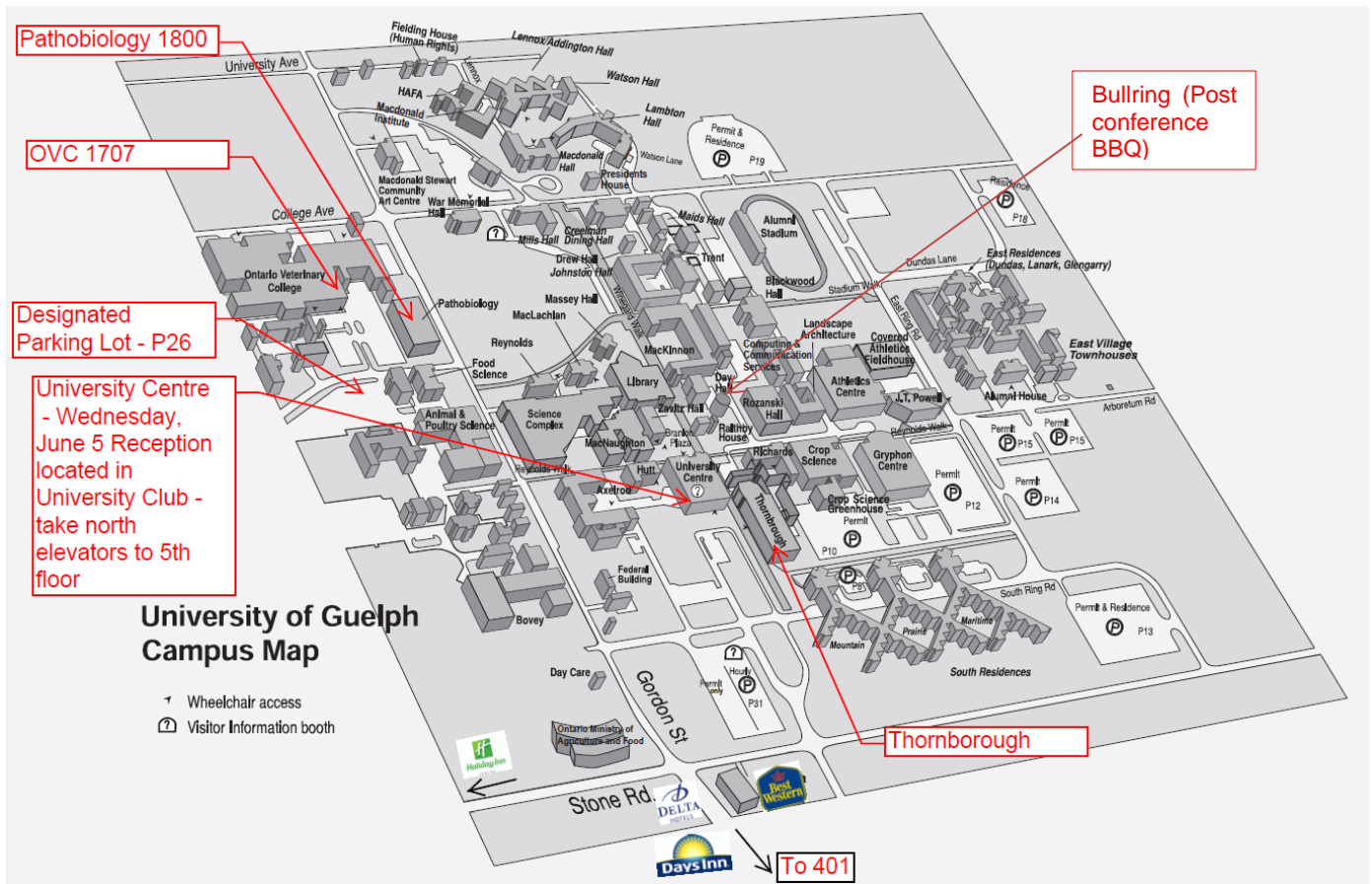
### 19. 5:00-9:00 PM Post-conference BBQ

The Bullring

## VENUES

- A. Opening Reception                      University Club
- B. All lectures and coffee breaks: Pathobiology 1800
- C. Lunches                                      OVC 1707
- D. Conference Dinner                      Thornbrough Atrium
- E. Post-Conference BBQ                      The Bullring

# MAP OF CONFERENCE LOCATIONS



Pathobiology 1800  
 OVC1707  
 Thornborough  
 The Bullring

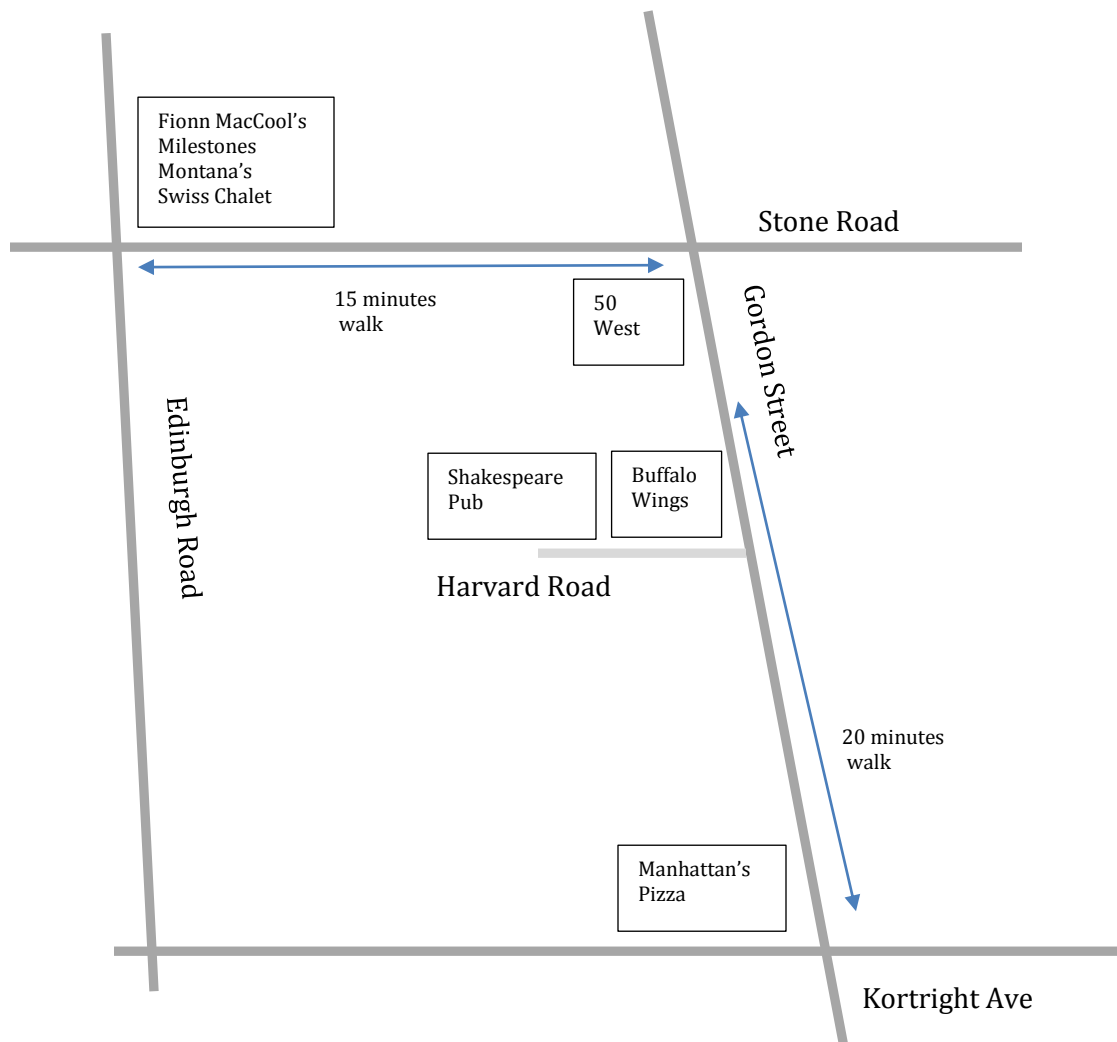
All sessions  
 Lunch and snackbar area  
 Conference Dinner  
 Post-Conference Dinner

## NEARBY RESTAURANTS

### On-campus:

- University Centre Food Court
- Bullring Café

### Off-campus:



- The closest off-campus restaurant is 50 West in the Delta Hotel. It is rather expensive.
- In the plaza at Harvard Road there is a casual Wings restaurant, and at the far end, a British-style pub. There is also a Chinese and a Thai restaurant in the plaza.
- A further 15 minutes south in the plaza at Kortright is Manhattan's, an upscale (but still reasonable) gourmet pizza bistro
- 10 – 15 minutes west of the Delta on Stone there is a shopping district with various chain restaurants, including Montana's and Swiss Chalet

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sciences humaines du Canada

