

Geodesy and Geomatics Engineering Graduate Seminar and Student Technical Conference

*Dineen Auditorium – C13
Thursday, March 23, 2006*

9:30 Opening Remarks

Session 1 Geodesy and GPS

Chair: Jianfeng Zhao

9:35 Maintenance of a National Geodetic Reference Frame for Botswana

Baboloki Kgomosto

9:50 Satellite Gravimetry: A Study of the GRACE Mission and its Contribution to Hydrology with an Example from India

Gurpreet Kooner

10:05 Canada-United States Lake of the Woods Vertical Datum Dispute

Dennis Whalley

10:20 A Comparison of Geopotential Models using GPS

Johnathan Lunn

10:35 Analysis of the Precision of the GPS Orbits Provided by the International GPS Service (IGS)

Nehemiah Tokonyane

10:50 Coffee Break

Session 2 GPS and Surveying

Chair: Aluizio Oliveira

11:05 Site-dependent Effects in the Princess of Acadia Project Stations: A Study of Multipath

Ditiro Bontsibokae

11:20 The Effects of a Passing Weather Front on GPS Positioning: A Case Study of the February 2004 Halifax Snowstorm

Trevor Luddington

11:35 Reflectorless EDM Beam Characteristics and the Measurement of Inside and Outside Corners

Christopher Oyler

11:50 A Comparative Analysis of Construction Surveying Techniques

Trevor Burton

12:05 Close Range Photogrammetry Compared to Traditional Surveying for 3D As-Built Modeling

Jason Nickerson

12:20 Critical Examination of Professional Land Surveying in Newfoundland

Shawn Benteau

12:35 Lunch

Session 3**Surveying**

Chair: Rajavel Duraiswamy

- 1:35 The Contemporary Significance of the Hierarchy of Evidence and the Role it Plays in Resolving Boundary Ambiguities in Canada
Nathon Van Leeuwen
- 1:50 The History of Cadastral Land Surveys in Nova Scotia
Matthew Bigney
- 2:05 The Feasibility of Alberta Creating a Mathematical Boundary Cadastre
Ashley Bryks
- 2:20 Original Townships Surveys near Ottawa, Ontario
Joel Corcoran
- 2:35 An Analysis of the State of Integrated Surveys in Canada
Ryan Séguin
- 2:50 Land Surveying North America: Is Contract Surveying an Option?
Andrew Handspiker

Friday, March 24, 2006

Session 4**Graduate Seminars**

Chair: Peter McRae

- 1:00 The Potential of Polarimetric Radar Data in the Coarse Classification of Semi-Urban Land Covers
Carl Deschênes
- 1:20 An Estimation of the Magnitude of Radial Density Effects on Orthometric Heights: What are we Neglecting?
Robert Kingdon
- 1:40 UNB Neutral Atmosphere Models: Development and Performance
Rodrigo Leandro
- 2:00 A Case Study in Marine Geomatics utilizing a Multi-Parameter Dataset for Inner-Shelf Geologic Mapping
Kevin Webb
- 2:20 Semi-Automatic Hydrographic Data Cleaning in Areas with Steep Slope
Miguel Vasquez

2:40

Coffee Break**Session 5****CIG Paper Competition**

Chair: Luis Serrano

- 3:00 Detection of Small Marine Vessels by Contextual Classification of Segmented IKONOS Imagery
Brandon Mol
- 3:15 Boundary Confirmation Methods in Ontario, New Brunswick, Alberta and Manitoba
Robyn Fraser

- 3:30 A Comparison of Reflectorless EDM
Frank Bailey
- 3:45 An Analysis of Inertial Navigation Systems and Real-Time Kinematic
Positioning
Chad Johnson
- 4:00 Improving the Sub-Bottom Echosounder Depth Estimate using a
Multibeam DTM
Ian Church
- 4:15 Graduate Award Presentation**
- 4:30 CIG Paper Competition Award Presentation**
- 4:45 Reception**