

Geodesy and Geomatics Engineering Graduate Seminar Conference

*Dineen Auditorium – C13
Thursday, April 5th, 2007*

08:40 Opening Remarks

Session 1 Remote Sensing

Chair: Rajavel Duraiswamy

08:50 Change Detection for Aerial Photo Database Update

Yongdae Gweon

09:10 Quantifying Uncertainty Resulting from Terrain Effects in Airborne
LiDAR Observations

Tristan Goulden

09:30 Mapping of GDOP Estimates Through the use of LiDAR Data

Krista Amolins

09:50 Assessment of the Lidar Green Laser Bottom Tracking Ability in Algae
Contaminated Areas

Pim Kuus

09:10 **Coffee Break**

Session 2 Marine Policy and GIS

Chair:

10:25 Sailing Directions in Digital Format: A development proposal

Andrés Millán

10:45 The Potential Use of Geographic Information Systems as a Decision-
Making Tool within Fisheries and Oceans Canada

Terry Johnston

11:05 A webGIS Application for Flood Rescue

Gengsheng Liang

11:25 – 12:40 **Lunch**

Session 3 Surveying

Chair:

12:40 History of the Mexican Gravimetric Geoid

David Avalos

13:00 A First Look at Propagation of DTM Uncertainty in Spherical Terrain
Corrections

Robert Kingdon

13:20 Augmenting GPS with Pseudolites for Deformation Monitoring in Harsh
Environments

Jason Bond

- 13:40 Semi-Automated Structural Deformation Monitoring of Large Tanks used
in the Storage of Hazardous Materials
Chris Gairns
- 14:00 Monitoring and Analysis of Long-term Behavior of Large Earth Dams
Maciej A. Bazanowski
- 14:20 **Coffee Break**
- Session 4 Hydrography and GPS**
Chair: M.Vasquez
- 14:35 Reducing multibeam backscatter artifacts to improve seafloor
classification with power spectral analysis
Aluizio Maciel de Oliveira Junior
- 14:55 Towards a Nested Hydrodynamic Model to Predict Phase and Amplitude
Modification of Tide within Narrow Fjords
Ian Church
- 15:15 Using RTK to measure tides
Ricardo Almeida
- 15:35 A Web Based Package for Neutral Atmospheric Path Delay Raytracing
Reza Ghoddousi-Fard
- 16:05 **Awards**
- 16:20 **Closing Remarks by Dr. Susan Nichols**
- 16:30 **Reception**