

SPRING into GEOMATICS 2008!



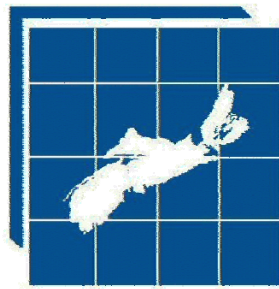
**CONFERENCE PROGRAM
May 27, 2008
Glengarry Hotel, Truro, NS**

Welcome to Spring into Geomatics 2008!

GeoNOVA and the Geomatics Association of Nova Scotia have joined forces again to showcase local and regional geomatics talent. We are excited to present a very special keynote guest, a lineup of 12 speakers, the GANS Annual General Meeting and review the GeoNOVA Program - all in one day! Enjoy the day, mingle with your peers and have fun!

~ Organizing Committee 2008

Co-sponsored by:



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Spring into Geomatics 2008 Agenda

TIME	ACTIVITY	PRESENTER and TOPIC
8:00 - 8:30 am	Registration	
8:30 - 8:40 am	Welcome and Logistics	Host: Alison MacEachern
8:40 - 9:20 am	Keynote Speaker (40 min)	Bruce Nunn "Mr. Nova Scotia Know-it-All"
9:20 - 9:50 am	GANS AGM (30 min)	GANS President: Thom Gillis
9:50 - 10:30 am	Presentations (2 @ 20 min)	<ul style="list-style-type: none"> • Brian Fisher (NS Dept of Natural Resources) <i>Accessing Geoscience Data at DNR</i> • Herb Ripley (Hyperspectral Imaging Ltd) <i>Nearshore Benthic Mapping, at Home and Abroad</i>
10:30 - 10:45am	Health Break (15 min)	
10:45 - 12:05pm	Presentations (4 @ 20 min)	<ul style="list-style-type: none"> • Tony Matthews (GeoNOVA) <i>The Nova Scotia Atlas On-line</i> • Sammy Sampson (Leading Edge Geomatics) <i>Leading Edge Geomatics : Digital Aerial Surveys</i> • Peter Geddes (NS Dept of Environment) - <i>Environmental Assessment Screening Application Project</i> • Peter Horne (Osprey Geomatics) <i>Geomarketing: Geomatics Role in Responsible Graphics</i>
12:05 - 1:05 pm	Lunch and Learn	Tim Dine (ESRI) <i>GeoNOVA Gets Me Home</i>
1:05 - 2:50 pm	GeoNOVA Program Review (1 hour 45 min)	Facilitator : Alison MacEachern
2:50 - 3:05 pm	Health Break (15min)	
3:05 - 4:45 pm	Presentations (5 @ 20 min)	<ul style="list-style-type: none"> • Sonya Chittick (HRM) <i>Explore HRM</i> • William Jones (ADI Ltd) <i>Crop Inventory Mapping Using High Resolution Satellite Image Data</i> • John Rubin (NS Dept of Natural Resources) <i>Fuelcodes and Ka-map - an Internet Mapping Solution</i> • Jamie Spinney (Saint Mary's University) <i>NOMAD and the Halifax STAR Project: Using GPS to Improve the Quality of Travel Data</i> • Bob Caldwell (SNSMR - NS Geomatics Centre) <i>Large Scale Mapping and Orthophotos in NS</i>
4:45 pm	Wrap Up	

Spring into Geomatics 2008 Keynote Speaker

Bruce Nunn has developed a reputation for telling the stories behind any and all things that are uniquely Nova Scotian. Over the years, he's become well known to CBC Radio listeners by the tongue-in-cheek title, "Mr. Nova Scotia Know-It-All". He has researched, broadcast, and published hundreds of stories reflecting Nova Scotia heritage and culture. His stories have appeared on CBC Radio and television and in three books from Nimbus Publishing: *History with a Twist*, *More History with a Twist*, and *59 Stories—Nova Scotia's Curious Connections*. He is the author of three children's books with Nova Scotia history themes and currently writes a column for the *Seniors' Advocate* and for *Lifestyle Maritimes Magazine*.

Contact: Bruce Nunn
novascotiaknowitall@yahoo.ca

Spring into Geomatics 2008 Presenters:

Brian Fisher, *Accessing Geoscience Data at the Department of Natural Resources*

Brian graduated from Kings/Dalhousie with a BSc in Geology in 1979 and Honours in Geology and Economics in 1981. After several years working in exploration, he attended COGS and in 1990 received a Diploma in GIS. He worked for several years at Falconbridge as a senior systems technologist and then as a GIS specialist for the Woodlands Division of J.D. Irving Ltd. After operating Fisher Geomatics Consulting for a year, Brian joined DNR in 1995 where he is currently employed as a Senior Geologist and Supervisor of Digital Information Services.

Herb Ripley, *Nearshore Benthic Mapping, at Home and Abroad*

Herb is the owner of Hyperspectral Imaging Limited, specializing in airborne hyperspectral surveys and digital aerial photography. Formally trained in geography and remote sensing, he has been active in the remote sensing/geomatics field for almost thirty years. During that period of time he has had the opportunity to work on numerous projects at a regional, national and international level. Many of the projects undertaken by Herb's company have a strong coastal and/or environmental focus, such as mapping a portion of the Peruvian rainforest for an environmental impact assessment, mapping coastal areas of St Lucia to determine the impact level of human activities, studying the effects of El Nino on coral reefs in French Polynesia, mapping coral structures in the Red Sea, the Indian Ocean, the Caribbean and the Pacific Ocean, identifying invasive marine vegetation in the Mediterranean, identifying invasive marine vegetation in Canadian waters and mapping nearshore coastal features in Nova Scotia.

Herb has been an invited lecturer on remote sensing at local, national and international educational institutes, has published numerous technical papers at international scientific conferences and has been recognized by the Remote Sensing Society (U.K. based) and by the Marine Technology Society (MTS) by being named a Fellow of both associations. Herb is or has been a strong participant in such industry groups as the Geomatics Industry Association of Canada (GIAC) (served as Board member), the Geomatics Association of Nova Scotia (GANS) (Director, Vice President and President), the Alliance for Marine Remote Sensing (AMRS) (organizing committee member and board member, Treasurer and President) and was the founding chair of the Champlain Institute.

Tony Matthews, *The Atlas of Nova Scotia*

Tony is a GeoNOVA Program Coordinator with the GeoNOVA Secretariat at Service Nova Scotia and Municipal Relations. He holds a Bachelor of Science from Acadia University, Planning Technology Diploma from the Centre of Geographic Sciences and most recently, a Certificate in Adult Education from Dalhousie University. He has been with the GeoNOVA Secretariat for approximately 9 months. Prior to that, he worked for 15 years with Elections Nova Scotia in their electoral mapping section. During that time, he participated in the 2002 Provincial Electoral Boundary Review and played a key role in the implementation of computerized electoral mapping, introducing electoral geography computer training for election officials. Over the years, he has served on the Geomatics Association of Nova Scotia Board as the public sector representative and has recently enjoyed volunteering as a mentor with the Metropolitan Immigrant Settlement Organization.

Sammy Sampson, *Leading Edge Geomatics*

Sammy is a 20 year veteran of the Canadian Forces and a graduate of the Military Geomatics Program. He served overseas for 6-9 month deployments in Iran, The Gulf War, Rwanda, Haiti, Central Africa and Bosnia. In 2003, he provided rapid GIS support to Special Forces Operations in Southern Afghanistan, fighting Taliban insurgents. In 2005, he was employed by the NATO Headquarters in Southern Italy as the GIS Coordinator, directing GIS and Geospatial-Intelligence resources from southern European countries against human trafficking and piracy operations on the Black Sea. In April 2008, he became the Sales and Marketing Director for Leading Edge Geomatics.

Peter Geddes, *Environmental Assessment Screening Application Project*

Peter is an Environmental Planner who has worked with Nova Scotia Environment over the past seven years in the areas of Environmental Assessment and Policy. He has coordinated numerous environmental assessments for projects such as the Sydney Tar Ponds Clean-Up, Keltic Petrochemical Project and the recent Moose River Gold Mine Project. Prior to joining government, Peter worked in the field of environmental education for several years focused on solid waste management, climate change and residential energy efficiency.

Peter Horne, *Geomarketing: Geomatics Role in Responsible Graphics*

Peter has been studying Geomatics applications and technology since his Bachelor's of Science Degree (Geography) and Advanced Diploma in Remote Sensing (accomplished in 2005 and 2006 respectively). In September of 2006, Osprey Geomatics was co-founded by Peter Horne, Kevin Garroway, and Tristan Goulden. At the time Peter was working at the Applied Geomatics Research Group (AGRG) as a C-CLEAR field technician, specializing in LiDAR data processing. Since leaving AGRG, Peter went on to work with Terrapoint (The world leader in LiDAR data collection) where he traveled extensively collecting data and marketing Terrapoint's TITAN LiDAR equipment. Currently Peter is working towards his Master's Degree in Complexity Science at Saint Mary's University along with presiding over Osprey's day-to-day operations.

Tim Dine, *GeoNOVA Gets Me Home*

Tim is currently a GIS Consultant with ESRI Canada Ltd in Halifax, Nova Scotia.

Sonya Chittick, *Explore HRM*

Sonya is an honours graduate from Sir Wilfrid Laurier University where she majored in Geography. Her post graduate degree came from the Centre of Geographic Sciences in GIS. Since graduation, she has worked with

both the government and private sector. She has been working for the Halifax Regional Municipality as a GIS Programmer Analyst since 2002.

William Jones, *Crop Inventory Mapping Using High Resolution Satellite Image Data*

William is currently a Geomatics Analyst at ADI Limited in Halifax, Nova Scotia. Mr. Jones has over 20 years consulting experience on projects spanning a variety of applications including: agriculture, municipal, geological mapping and mineral exploration, landuse / landcover mapping, environmental assessment, marine habitat mapping, and terrain analysis. Specializing in the use of spatial data processing technologies such as Digital Image Analysis and Geographic Information Systems, Mr. Jones has successfully implemented project solutions involving the use of a wide variety of remotely sensed data ranging from thermal infrared and microwave (radar) to high resolution digital aerial photography. Mr. Jones has specific experience in the design, development, and implementation of Geospatial Information Systems for the mineral exploration and agriculture industries in both public and private sectors, and has been involved in significant international projects. A graduate of St. Francis Xavier University (B.Sc. Major in Geology and Biology) Mr. Jones continued his specialization in Spatial Information Technologies in Remote Sensing and GIS at the College of Geographic Sciences, Lawrencetown, Nova Scotia.

John Rubin, *Fuelcodes and Ka-Map - An Internet Mapping Solution*

John is a GIS Programmer working for the Nova Scotia Department of Natural Resources Forestry Sector since 2001. He has been developing map services for DNR using UMN MapServer for the last five years. His education and experience is in forestry, computer programming and GIS.

Jamie E.L. Spinney and Brian K. Reid, *NOMAD Mobility: Providing Real Time GPS Location Solutions*

Jamie is currently the Project Operations Manager for the Time-Use Research Program at Saint Mary's University, as well as a PhD candidate in the School of Geography and Geology at McMaster University. Mr. Spinney is best described as a geographer, with professional certification as both a teacher and a municipal planner. His research interests and experience focus on the application of geomatics technology toward sustainable and equitable development of land resources through urban and regional planning. With over a decade of training and experience in Geomatics, his objective is to apply geographic theory and techniques in order to address contemporary social, economic, and environmental issues through land use planning.

Brian is the President of the Synova Group of companies, with four in Nova Scotia and one in Ireland. Brian has over 25 years experience in the IT sector. He began his early work designing personnel tracking systems for Maritime command, while attending Dalhousie University in Halifax. He later became involved in the Public Health sector designing clinical health information systems for many of the hospitals here in Nova Scotia, and eventually across Canada. Brian has served on over 14 Boards of Directors, including such organizations as the BioNova Life Science Industry Association, Nova Scotia's Association of Health Organizations, and various other private and public sector companies. Brian also actively supports and mentors other young "start up" companies here in Nova Scotia.

Bob Caldwell, *Large Scale Mapping and Orthophotos in Nova Scotia*

Bob Caldwell began his career in October of 1977 as a Survey Engineer with the Council of Maritime Premiers, Surveys and Mapping Office in Summerside, PEI. In 1994, he accepted a position at the Nova Scotia Geomatics Centre in Amherst, NS where he is currently the Manager.

Spring into Geomatics 2008! – Social Evening – May 26th



To all “Spring into Geomatics 2008” attendees:

Are you staying in Truro and looking for something to occupy your pre-conference evening? Come out and socialize with your friends and fellow geomatics enthusiasts!

Time and Place:

7:00pm @ Dooly's in Truro

Enjoy a game of pool, or some snacks and refreshments.

Directions from the Glengarry Hotel:

1. Head northeast (left) onto Willow Street towards Victoria Street.
2. Turn left on Prince Street at the Superstore intersection.
3. Turn right at Juniper Street. Dooly's is on your left.

Spring into Geomatics 2008 Credits

2008 Organizing Committee:

Jeff Parks (Co-Chair) - Conestoga-Rovers and Associates / GANS Director

Colin MacDonald (Co-Chair) - GeoNOVA Secretariat / GANS Director

Heather Thomas - Department of Natural Resources / GANS Director

Laura Beazley - Nova Scotia Geomatics Centre

Susan Fisher - Service Nova Scotia and Municipal Relations

Ed Light - GeoNOVA Secretariat

Tony Matthews - GeoNOVA Secretariat

Special thanks to all of the Presenters who helped make this day a great success!