



13th - 14th June 2007
Beca, Auckland

Intergraph New Zealand User Conference 2007



Agenda

Security, Government & Infrastructure
<http://nziguc.googlepages.com/conference2007auckland>



Meeting Overview

Intergraph New Zealand's User Conference 2007 will bring together Intergraph customers and partners from public safety, utilities and government agencies. Discussing visions and strategies and exchanging ideas and industry insights with your peers, you will benefit from the many conference activities we have planned.



Image of Intergraph's GeoSpatial Users Conference 2005

The New Zealand Users Community



The New Zealand Chapter of the Intergraph Users Community is a collaborative organisation focused on the effective and skilled use of Intergraph's Geospatial Software, and effective skills in Geospatial Data Design, Data Management and Analysis.

It is the goal of every conference to "raise the bar" over the previous conference, particularly in the areas of Quality of Content, Participation and Education. The overall goal is to have the attendees leave with more skills, more awareness, more enthusiasm, a greater sense of inquisitiveness and more confidence.

Neville Perrie, President - Rodney District Council

Bryan Clarke, Secretary - Christchurch City Council

Nick Tubb, Treasurer - Horowhenua District Council

Ken Almao, Sponsor - Intergraph New Zealand

<http://nziguc.googlepages.com>

Conference Dinner



Located in the heart of New Zealand's largest and most dynamic city, SKYCITY is New Zealand's most popular entertainment destination, a city within a city. Based on the second floor of SKYCITY, the Fortuna Buffet Restaurant offers a spectacular variety of food, ranging from local favourites to Mediterranean and Asian cuisine.

8:00pm Wednesday 13 June

Auckland SkyCity

Fortuna Buffet Restaurant

Corner of Victoria and Federal Streets, Auckland City

International and Keynote speakers



David Loubser

Director, New Zealand Geospatial Office, Land Information New Zealand

David was introduced to spatial data while working in the South African Navy and ended up in the SA Navy's Hydrographic Office. He attained an Honours degree in Ecology at the University of the Witwatersrand followed by a Masters degree in GIS and Remote Sensing at the University of Cape Town. He is currently working towards a PhD in Forest mensuration using LiDAR. David has worked in both Public and private sector, specifically in the areas of the Environment, Local Government and Spatial consulting. He has also lectured in GIS and Remote Sensing on a part time basis for 6 years at the School of Town and Regional Planning at the University of the Witwatersrand. Since moving to New Zealand in 2002 he has held the position of Team Leader Mapping and Data Collection for the New Zealand Carbon Accounting System. He is currently on secondment as Director of the New Zealand Geospatial Office, LINZ.



Robert Gammon

Senior Consultant, Intergraph (Canada)

Robert Gammon is the designer of the Intergraph Incident Analyst and GeoMedia Grid products. The technology grew out of the geography department in University of Ontario in 1992. Robert has been with Intergraph for 10 years as a Senior Application Engineer and Product Manager. His recent professional activities include working with customers from around the world to help shape Intergraph's suite of spatial analytics and reporting products. Robert has a master's degree in Geography and GIS with a minor in Computer Science and has been developing spatial analysis models for more than 15 years. Robert will be talking about Intergraph's product direction, relevant to users in government and public safety organisations.



David Goedecke

Industry Specialist, Public Safety and Emergency Management, Intergraph (Australia)

David is an Industry Specialist with over 10 years experience in the Public Safety and Emergency Management field. David has comprehensive experience in software engineering requirements, design and development, and CAD project management. In addition to roles in Australia, David has spent several years working for Intergraph in the USA and UK, and regularly travels to the USA to assist with global public safety product planning and architectural strategies.



Ashok Magan

Managing Director, Intergraph (New Zealand)

Ashok Magan has over 20 years of experience in various aspects of Mapping and Geographical Information Systems (GIS). He started his career using computers and aerial photographs to make maps for land developers. Over the last 22 years he has worked extensively across Asia Pacific, during that time he has gained extensive experience in software development, customer support, project management, GIS consulting, business development and team leadership.

Wednesday 13th June

Keynote Presentation: Main Conference Room

9:30 am **Conference Registration**

9:55 am

Conference Opening**Speaker: Neville Perrie, President, Intergraph User Community (Rodney District Council)**

10:00 am

Welcome and Overview of Beca**Speaker: Malcolm Archbold, General Manager Geospatial, Beca Consulting**

10:15 am

Intergraph Corporate Update: A New Era At Intergraph**Speaker: Ashok Magan, Managing Director, Intergraph NZ**

This presentation will cover a broad range of issues including new functionality in the latest product releases, Industry technology trends, Intergraph product direction in the short, medium and long term and a general overview of how Intergraph intends to evolve in the coming years. Having recently returned from the international user conference, Intergraph 2007, Ashok will be well placed to give listeners a good overview of the key developments discussed at the conference.

11:00 am **Morning Tea - Sponsored by Panasonic**

11:15 am

KEYNOTE PRESENTATION - National Geospatial Strategy**Speaker: David Loubser, Director, New Zealand Geospatial Office, Land Information New Zealand (LINZ)**

David has worked in both Public and private sector, specifically in the areas of the Environment, Local Government and Spatial consulting. He has an Honours degree in Ecology, a Masters degree in GIS and Remote Sensing and is currently working towards a PhD in Forest mensuration using LiDAR. Since moving to New Zealand in 2002 he has held the position of Team Leader Mapping and Data Collection for the New Zealand Carbon Accounting System. He is currently on secondment as Director of the New Zealand Geospatial Office, LINZ.

12:00 pm

SPONSOR PRESENTATION - Panasonic Toughbooks**Speaker: Mathew Bambury, Panasonic New Zealand**

12:15 pm

Intergraph 2007**Speaker: Neville Perrie, President, Intergraph User Community (Rodney District Council)**

Neville attended the recent Intergraph 2007 User Community Conference in Nashville, Tennessee. He will give his impressions of what he saw and heard there.

12:30 pm

Introductions - Delegates will briefly introduce themselves and outline what they do to the rest of the group

12:45 pm

Lunch (Conference Group Photo) - Sponsored by Intergraph**1 Government: TerraShare & GeoMedia Suite**

Room: Main Conference Room

2 Emergency Management & Response: CAD - Dispatch & Management Response

Room: Small Conference Room

1:30 pm

GeoMedia WebMap Enterprise: look what Johnny can do now**Speaker: Shaun Falconer, Intergraph**

WebMap Professional offers features over and above WebMap, but they have rarely been exposed to the enterprise. Intergraph now introduces GeoMedia WebMap Enterprise allowing Johnny administrator to provide professional capabilities relevant to individual users and groups of users instead of a single one fits all "virtual user". Attend this presentation to find how this exciting product will boost your enterprise and your interaction with external parties.

1:30 pm

CAD Incident Analysis**Speaker: David Goedecke, Intergraph (AU)**

I/Incident Analyst is a powerful tool for analysing CAD incident data. This presentation will demonstrate some of the features of I/Incident Analyst, and the results of some analyses performed on a whole years worth of live I/CAD incident data.



1 **Government: TerraShare & GeoMedia Suite** Room: Main Conference Room

2:15 pm

An Overview of Hurricane Katrina and How TerraShare Can Assist With Managing Large Amounts of Aerial Imagery

Speaker: Julian Kardos, Intergraph

Hurricane Katrina caused devastation along much of the north-central Gulf Coast of the United States as far as 160 km from the storm's centre. The storm is estimated to have been responsible for \$81.2 billion (2005 U.S. dollars) in damage, making it the costliest natural disaster in U.S. history. This presentation will look at how TerraShare was used as the solution for image distribution, raster data management and storage tool to assist with relief work after the event. A live demonstration of TerraShare will allow the audience to judge for themselves the performance of TerraShare.

3:00 pm

Afternoon Tea

3:15 pm

Spatial Document System

Speaker: Shaun Falconer, Intergraph

Spatial Document System is a locally developed extension to GeoMedia WebMap Publisher providing for creation of documents. Some features:
- Administrator creates templates via WYSIWYG editor - Map content defined by WebMap Publisher administrator - Multiple maps in single template - Text substitution e.g. including address and legal description in document - Can be called from 3rd party without starting full WebMap Publisher. Shaun will review what led to the development of the system, decisions made resulting in the current Spatial Document System, a run through of the system, and what might be desirable to further enhance the system.

4:00 pm

Poster Session - Prizes Sponsored by Intergraph

4:30 pm

Label Creation: a Label-EZ case study

Speaker: Waric Cross, PowerNet & Shaun Falconer, Intergraph

PowerNet has 132000 features across 4 feature classes covering the extents of Southland and had no suitable labels. Do you want to tell an operator they are about to face a few months tediously placing labels the majority of which are numbers - or configure automated software to do the job overnight? Guess what PowerNet decided? Waric Cross and Shaun Falconer will be reviewing the automated creation of text with a high degree of aesthetic quality for PowerNet using Label-EZ.

5:15 pm

Conference Close

8:00 pm

Conference Dinner, Auckland SkyCity Fortuna Buffet Restaurant

2 **Emergency Management & Response: CAD - Dispatch & Management Response** Room: Small Conference Room

2:15 pm

FireTactic

Speaker: Duncan Kennington, Intergraph

See how FireTactic is used to optimise forest firefighting capability with a quick, simple and high-performance modelling and decision making assistance system.

3:15 pm

Major Incident Management and Security

Speaker: David Goedecke, Intergraph

Disasters whether natural or man-made must be responded to quickly and efficiently to minimize loss of life and property. During an emergency event, Intergraph helps government agencies quickly share incident information with other responder organizations through a single, unified picture. This talk will show how this is achieved with particular focus on I/Consequence and I/Asset.

4:30 pm

I/CAD 8.1 Update

Speaker: Steve Tremewan, Intergraph

Version 8.1 is the latest release of CAD (computer aided dispatch). In addition to detailing some of the new features, the presentation will also involve a brief overview of the Oracle dataguard product - a crucial component in a high availability solution.



Thursday 14th June

Day 2

1 Main Conference Session Room: Main Conference Room

2 Industry Session Room: Small Conference Room

9:00 am

New York Metropolitan Transit Authority and Solutions for Public Safety

Speaker: James Willcocks, Intergraph

The New York Metropolitan Transit Authority (MTA) is a public benefit corporation of the state of New York, responsible for developing and implementing a unified mass transportation policy for New York City. MTA subways, buses, and railroads move 2.4 billion New Yorkers a year. MTA bridges and tunnels carry nearly 300 million vehicles. This vast transportation network's North America's largest, serves a population of 14.6 million people in the 5,000-square-mile area fanning out from New York City through Long Island, southeastern New York State, and Connecticut. Intergraph is providing the command and control solution to the MTA. By linking intelligent video, sensor fusion, incident command, spatial awareness, incident decision-making analytics, and system integration, Intergraph continues to lead the market by delivering a much needed common operational picture to the intelligence and first-responder communities. This presentation will give an overview of the solution which includes Intergraph Computer-Aided Dispatch (I/CAD), I/Consequence, I/Editor, InterCAD Web, I/Sight, I/Alarm Plus, I/Sensor, I/Net Commander, I/Asset, I/Dashboard, I/Simulator, Alarm system integration to Lenel and Intelligent Video systems, Record Management System (RMS) and mobile solutions, and Video Analyst forensic video system.

9:00 am

TeamView Spatial; Google Earth

Speaker: Andy Haigh and Marc Graham, Beca

Team View Spatial is an advanced web-based GIS tool currently being used in the infrastructure industry, which provides a definitive source for geographic information that can be spatially viewed and accessed from any location via the internet. Team View spatial enables all project team members to access a single version of spatial data sourced from varied formats, that might otherwise be contained in CAD drawings, hardcopy maps or disparate spatial databases. Problems with spatial data accessibility and the risks associated with version control are greatly reduced, which is vital when project data changes rapidly or team members are dispersed. Google Earth transforms simple 2 dimensional maps into 3D, while integrating a vast array of free, spatially rich content. A simple plug-in from GeoMedia allows the export of information to Google Earth.

9:45 am

Integrated Asset Management

Speaker: Bob Matheson, Waitaki District Council

A overview of the GIS solution for the council urban reticulated service contract. How we use GeoMedia and Hansen with our contractors to manage our reticulation contract, gain increased performance and quality asset data.

9:45 am

FME - The Feature Manipulation Engine

Speaker: Darren George, Rodney District Council

What is FME and how the Rodney District Council is using FME for improving Cartographic Output and data extracts.

10:15 am

2/5/10 SESSION

Animation for Impact

Speaker: Duncan Benzie, Rodney District Council

Coping with Incremental Landbase Updates

Speaker: Cang Li, WEL Networks

Integrated Asset Management Using WebMap

Speaker: Brent Wilson, Environment Waikato

Using the Select Tool in WebMap

Speaker: Kyle Dow, Christchurch City Council

Mobile Solutions For Utility Companies

Speaker: Simon Ferneyhough, Intergraph & Ricki-Lee Teague, Orion

GeoMedia 6 Hotfix 4 and the Layout Window Quality Slider

Speaker: Shaun Falconer, Intergraph

11:00 am

Morning Tea - Sponsored by Panasonic



Thursday 14th June Continued

Keynote Presentation: Main Conference Room

11:15 am

INTERNATIONAL KEYNOTE PRESENTATION - Geospatial Processing: Extracting Hidden/Meaningful Information from Spatial Data

Speaker: Robert Gammon, Intergraph (Canada)

Intergraph has a set of robust Geospatial processing technologies that can be used in tandem to extract meaningful information from spatial data sources. This presentation will explore how GeoMedia and GeoMedia Grid can be used together to solve a wide variety of business problems. Business problems will include examples that relate to Local and Regional Government, Public Safety, Military and Intelligence, and Transportation.

12:15 pm

Annual General Meeting

12:45 pm

Lunch - Sponsored by Intergraph

1 Main Conference Session Room: Main Conference Room

1:30 pm

Incident Mapping and Analysis with live Connectivity to Multiple Data Sources

Speaker: Robert Gammon, Intergraph (Canada)

Intergraph has recently released I/Incident Analyst, an intuitive mapping and pattern analysis solution specifically designed for public safety agencies. This session will explore the public safety analyses users can perform with I/Incident Analyst. With I/Incident Analyst, public safety agencies can now better leverage the data in their CAD and RMS systems and better serve their communities. The presenter will describe how I/Incident Analyst can be used to discern spatial patterns in incident and crime data and thereby allow for a better understanding of where incidents occur with abnormal frequency. Attendees will also explore how I/Incident Analyst can be used to correlate these locations with factors such as time, offence type, and other statistics. The presenter will demonstrate how I/Incident Analyst can prioritize areas for prevention and intervention strategies and measure the effectiveness of intervention strategies, identify emerging hot areas, and estimate where problems may arise in the future.

2:15 pm

Documenting GeoMedia Workspaces

Speaker: Bryan Clarke, Christchurch City Council

Demonstrating the use of Business Process Modelling to accurately document your GeoMedia Workspaces so that they can be easily understood, reproduced and worked on by others.

3:00 pm

Afternoon Tea

2 Utilities & Infrastructure: InService & G/Technology Room: Small Conference Room

1:30 pm

Spatial Linking of Customer Information and the use of InService, G/Technology and G/Mobile

Speaker: Simon Ferneyhough, Intergraph (Asia Pacific)

ETSA Utilities is South Australia's electricity distributor providing electricity to more than 770,000 customer homes and businesses through a distribution network of 80,000km of distribution lines, 393 zone substations and 66,000 distribution transformers. In 2005, ETSA Utilities implemented Intergraph's InService Outage Management System to help track and manage network outages. A key component of this implementation has been linking customer information to the distribution network. ETSA Utilities has established a process to automatically link information from multiple sources, including the Customer Information System (CIS) and Geographic Information System.

2:15 pm

G/Technology 9.4

Speaker: Chris Logan, Intergraph

This presentation will showcase the new functionality in G/Technology 9.4.

Thursday 14th June Continued

Day 2

1 Main Conference Session

Room: Main Conference Room

3:15 pm

Which Map Projection Do I use? Issues and Discussion

Speaker: Malcolm Archbold, Beca

As a result of the introduction of Datum 2000, New Zealand now has over 50 projections available for land information users to choose from for projecting spatial information. This presentation will cover the background to the creation of the Datum 2000 projections, the differences between Datum 2000 and the previous datum (NZGD49); the issues around migration from one system to another and possible solutions that may assist the GIS community to make the transition. The presentation will involve audience participation where others in the group can share experiences, resources opportunities and lessons learnt.

4:00 pm

Promoting GIS in a Multi-disciplinary Workplace

Speaker: Cirina Di Piero, Environment Waikato

As with many organisations, Environment Waikato is a multi-disciplinary work place filled with scientists, economists, field staff and politicians. As GIS professionals we understand the importance and abilities of our products, but do our colleagues? This presentation will take the form of an open discussion and hopefully together we can provide insight into the following dilemmas: Where should GIS fall within an organisational structure? Who should be using GIS? And How do we promote GIS services internally? Along with other pertinent questions.

4:30 pm

Conference Close by Neville Perrie, President, Intergraph User Community (Rodney District Council)

2 Utilities & Infrastructure: InService & G/Technology

Room: Small Conference Room

3:15 pm

A Round Trip Between a Desktop GIS User and Remote Field Worker

Speaker: Ken Mathers, Intergraph

This presentation will provide a hands on demonstration, showing how data contained within your desktop GIS can be extracted by remote field workers to assist them with their job. The demonstration will show how the field worker can then make alterations to this data in the field as required, before returning their updates to the desktop GIS. Products used are OneMobile, InService and G/Designer.

4:00 pm

Creating a GIS Business Plan for a small electricity utility - getting your organisation on board

Speaker: Ricki-Lee Teague, Orion

Orion's GIS business plan is now in its second year. Relating the experience of creating business focus, rather than technology focus, getting "the decision makers" involved, the importance of content and layout, how our managers responded and looking at what worked well and what didn't.

Conference Sponsors

**Beca**

Beca is an international employee-owned engineering and related consultancy services group. Their range of services covers engineering, planning, project management, architecture, GIS and surveying, cost estimating, asset management and valuations.

www.beca.com

**Intergraph New Zealand**

Intergraph Corporation is the leading global provider of spatial information management (SIM) software. Security organizations, businesses and governments in more than 60 countries rely on the company's spatial technology and services to make better and faster operational decisions. Intergraph's customers organize vast amounts of complex data into understandable visual representations, creating intelligent maps, managing assets, building and operating better plants and ships and protecting critical infrastructure and millions of people around the world.

www.intergraph.co.nz

**Panasonic New Zealand**

Panasonic Toughbooks are notebook PCs built to withstand the harsh conditions of the outside world. Used extensively worldwide, Toughbooks are designed to protect components that are most frequently damaged, resulting in maximum uptime and productivity at a lower total cost of ownership.

Toughbooks are the ideal solution for outdoor working environments. Built to deliver the ultimate combination of mobility and durability, Toughbooks keep field staff connected and productive, reducing downtime and significantly lowering IT servicing and repair costs.

With a Panasonic Toughbook you can be productive anywhere, anytime and be confident that your equipment is designed to withstand the toughest treatment.

www.toughbook.co.nz

**GeoSystems**

Offering a range of solutions and leading edge technologies, GeoSystems are the largest supplier, of global positioning systems, measuring instruments and design software solutions in New Zealand.

The company is 100% New Zealand owned and employs 30 staff across its three national offices. With many of GeoSystems staff having worked previously within the industries they service, GeoSystems have the expertise and knowledge to understand their customer's line of work, requirements and the environments in which they work.

GeoSystems are the NZ appointed distributors for some of the most prominent manufacturers in the construction, engineering, surveying and mapping worlds. Some of which include; Trimble Navigation, Spectra Precision, Autodesk, Nikon, Engineering Systems and Garmin.

www.geosystems.co.nz



eConnection

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Top centre image courtesy of AAMHatch, taken with a Digital Mapping Camera



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Intergraph New Zealand User Conference 2007



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