



Intergraph South East Asia User Conference - Sanctuary Cove 2010



24 - 26 March 2010
Gold Coast, Queensland



AGENDA

THE CONFERENCE

Intergraph South East Asia User Conference - Sanctuary Cove 2010 is one of Intergraph's premier industry gatherings in the public safety and security, utilities and communications, and government sectors.

Intergraph South East Asia User Conference - Sanctuary Cove 2010 will be structured around the convergence of topics associated with public safety, infrastructure protection and military and intelligence. The conference will demonstrate first hand how these often disparate, yet crucial undertakings can be better integrated to benefit the entire community.

DAY 1 - WEDNESDAY 24 MARCH

7:45am	18 Holes of Golf at Hope Island		
12:00pm	Conference Registration Opens		
1:00pm	Lunch served at the Woolshed		
Sessions	Utilities and Communications	Public Safety and Security	Government and Transportation
2:00pm	InService 8.2 Simon Ferneyhough, Intergraph	Public Safety Trends and Roadmap Peter Crosbie, Intergraph	GeoMedia Functional Attributes Workshop Roland Klamt, Intergraph
2:30pm	Airborne Motion Video Robert Scott, Intergraph		
2:45pm		What's new in I/CAD 9.0 David Goedecke, Intergraph	GeoMedia & GeoMedia WebMap Tips & Tricks Anton van Wyk, Intergraph
3:00pm	G/Technology 10.1 Martin Byrne, Intergraph		
3:30pm	Break		
4:00pm	ResPublica: Introduction and Demonstration Anton van Wyk, Intergraph	Video Analyst - Demonstration and Presentation Duncan Kennington, Intergraph	Raster Utilities Workshop Roland Klamt, Intergraph
4:30pm	Where in the World is the Smart Grid? Simon Ferneyhough, Intergraph	What's Hiding in your Database Schema? David Goedecke, Intergraph	
4:45pm			Licensing Tips & Tricks Des Voight, Intergraph
5:00pm	Close		
6:30pm	Drinks and canapés served at "The Grange", Hyatt Regency Sanctuary Cove		
7:30pm	Dinner at "The Grange", Hyatt Regency Sanctuary Cove, with entertainers Mark Seymour and James Reyne performing		

*Agenda subject to change



DAY 2 - THURSDAY 25 MARCH

KEYNOTES

9:00am	Welcome Peter Russell-Smith, General Manager Public Safety & Security South East Asia, Intergraph		
9:10am	Intergraph South East Asia Strategic Overview & Update Peter Russell-Smith, General Manager Public Safety & Security South East Asia, Intergraph		
9:50am	Achieving Operational Interoperability through Emerging Standards Robert Scott, Executive Director, Security Solutions Marketing, Intergraph		
10:40am	Break		
11:10am	Geospatial Collaboration and Integration via SDI and the "GeoWeb" Roger Harwell, Product Manager - GeoMedia, Web & Industry Products, Intergraph		
11:50pm	Lunch		
Sessions	Utilities and Communications	Public Safety and Security	Government and Transportation
1:00pm	Introduction Andrew Munro, Intergraph	Introduction Stephen Willson, Intergraph	New Intergraph Solutions GeoMedia Spatial Data Infrastructure Ready Solutions; ResPublica; GeoMedia 3D; and Motion Video Exploitation
1:15pm	G!NIUS, Ken Mathers, Intergraph	New Zealand Police Peter Stokes, New Zealand Police	Roger Harwell & Anton van Wyk, Intergraph
1:45pm	Mobility: FieldSketch and OnDemand Martin Byrne, Intergraph	The New Mobile for Public Safety David Goedecke, Intergraph	
2:15pm	Intergraph's Communications and Fibre to the Home Solutions Ken Mathers, Intergraph	Technology Convergence Brett Abraham, Sigtec	Victorian Education - Bus Route Planning - Student Transport and Emergency Planning David Bruce, Omnilink
2:45pm	Break		
3:15pm	ETSA Outage Monitor Kevin Mason, ETSA Utilities	Introduction to E•SPONDER Rob Wolf, E•SPONDER	Introduction Andrew Munro, Intergraph
3:30pm			Webmap Publisher, Configurations and Customisations used at Aurora
3:45pm	ROI Overview Paul Leahy, Intergraph	Airborne Motion Video for Public Safety and Security	Tim Wicks, Aurora Energy
4:00pm		Robert Scott, Intergraph	GeoMedia Product Update - What's new in GeoMedia, GeoMedia Pro, WebMap and WebMap Pro Roger Harwell, Intergraph
4:15pm	Aurora Energy's Field Tool Journey Pat Luttrell, Aurora Energy	Business Intelligence for Public Safety	
4:30pm		Peter Crosbie, Intergraph	GeoMedia as a Productivity Tool for Capturing and Accessing Road Network Video
4:45pm	Data Model Management Tools Ken Mathers, Intergraph	Introducing the Intergraph Interoperability Framework for I/CAD	Rishi Viner, PureData
5:00pm		David Goedecke, Intergraph	Why all the Behind the Scenes Policies and Rules are Important to the Spatial Industry
5:15pm	Close		Diane Daniell representing the Victoria Spatial Council
5:30pm			Close
6:30pm	Drinks and canapés served by the poolside terrace at the Hyatt Regency Sanctuary Cove		
7:30pm	Lagoon Beach dinner at the Hyatt Regency Sanctuary Cove		

*Agenda subject to change

DAY 3 - FRIDAY 26 MARCH

KEYNOTES

8:30am	Welcome Back Peter Russell-Smith, General Manager Public Safety & Security South East Asia, Intergraph		
8:35am	Technology Vision and Roadmap for Security, Government & Infrastructure Roger Harwell, Product Manager, GeoMedia Web and Industry Products, Intergraph		
9:05am	Telecommunications Emergency Management Framework in Emergency and Disaster Management Alex Stefan, National General Manager, Public Safety and Security, Telstra Enterprise & Government		
9:35am	Pictometry 3D Imagery for Public Safety and Security John Blackburn, Business Manager, AAM		
10:05am	Systems Interoperability - Enhancing Management Analysis and Decision-Making Processes Tim Wicks, GIS Project Developer, Aurora Energy		
10:35am	Omnilink David Bruce, Business Development Director, Omnilink		
10:40am	Break		
Sessions	Utilities and Communications	Public Safety and Security	Government and Transportation
11:00am	Round Table Discussion Andrew Munro, David Dennis, Paul Leahy & Ken Mathers, Intergraph <ul style="list-style-type: none"> Spatial Data Infrastructures - Sharing data internally and externally Web Services & Services Oriented Architectures 	Round Table Discussion David Goedecke, Peter Crosbie, Robert Scott & Grace Micallef, Intergraph <ul style="list-style-type: none"> Technology Convergence EOC Environmental Factors and its Effects on Emergency Services 	Round Table Discussion Darren Wu, Anton van Wyk, Eduardo Friesz & Roger Harwell, Intergraph <ul style="list-style-type: none"> SDI - Spatial Data Infrastructures WebGIS GIS Integration with Business Processes & Systems
12:30pm	Conference Wrap Up Peter Russell-Smith, General Manager Public Safety & Security South East Asia, Intergraph		
1:00pm	Conference Close		

*Agenda subject to change



BIOGRAPHIES

Peter Russell-Smith

General Manager Public Safety & Security South East Asia, Intergraph

Peter Russell-Smith is a business leader with over 25 years experience in the information technology sector. Peter holds a Masters in Business Administration, a Bachelor of Engineering with Honors and a graduate diploma from Australian Institute of Company Directors. Peter leads Intergraph's South East Asian Public Safety & Security business.



Robert Scott

Executive Director, Security Solutions Marketing, Intergraph

Robert Scott currently holds the position of Executive Director, Security Solutions Marketing at Intergraph. In this position, he is responsible for setting the direction and marketing solutions that relate to integrated security, intelligence and public safety systems for national governments, transportation agencies, military installations and state/local government. Robert's career with Intergraph has spanned over 23 years; during his tenure he has held positions in engineering, business development, program management, and marketing. Robert was instrumental in Intergraph's entry into the public safety market and subsequent utilisation of the public safety application for the integrated security market.



He is a registered civil engineer, has a BSCE from Lehigh University and has participated in graduate study in geodetic engineering. Robert has experience in Public Safety, Security, GIS, digital scanning and map production, civil engineering and utility distribution systems.

Roger Harwell

Product Manager, GeoMedia Web and Industry Products, Intergraph

Roger Harwell has been with Intergraph for 25 years, serving in both product planning and development roles for mapping and geospatial products. These roles have afforded him the opportunity to travel to and work with Intergraph customers on six continents. He currently is the product manager for the GeoMedia WebMap and SDI products and several GeoMedia desktop industry products. Roger holds a Bachelor of Mathematics and Computer Science from Lipscomb University, USA.



Alex Stefan

National General Manager, Public Safety and Security, Telstra Enterprise & Government

Alex Stefan is the National General Manager, Public Safety and Security for Telstra Enterprise & Government. Based in Brisbane, Alex is responsible for overseeing Telstra's customers in the justice and emergency services sector. An industry veteran with over 24 years experience, Alex's expertise is in the provision of 24/7 ICT systems in support of mission critical operations for the police, ambulance, fire and state emergency services.



Prior to joining Telstra Enterprise & Government, Alex spent eight years as the Chief Information Officer for the Department of Emergency Services (DES) Queensland, which includes the Queensland Ambulance Services (QAS), the Queensland Fire and Rescue Service (QFRS) and Emergency Management Queensland (EMQ). In this role, Alex managed a team of 230 professionals on a state-wide level and coordinated the Department's information management and ICT strategies in line with its business goals. Earlier, Alex spent 15 years in senior management roles at the Queensland Police Service.

BIOGRAPHIES

John Blackburn

Business Manager, AAM

John has been involved in many areas of the spatial industry, including spatial systems implementation at local, state and federal government levels as well as commercial GIS product management. More recently he has been involved with a new generation of spatial imagery and data technologies for mapping and visualising the built environment.

John is currently responsible for AAM's Pictometry program in Australia and New Zealand.



Tim Wicks

GIS Project Developer, Aurora Energy

Tim Wicks, a GIS Project Developer with Aurora Energy since 2005, is responsible for developing and maintaining Aurora's WebMap and automated Dial-Before-You-Dig services. He also undertakes more advanced vector and raster analysis using GeoMedia products for Aurora's Distribution Network business to assist and extend Aurora's asset management capabilities and drive improvements in reliability.

Prior to joining Aurora Energy, Tim consulted to private industry and all levels of government, undertaking spatial analysis and implementing field data capture and enterprise GIS systems in Tasmania, South Australia and the Northern Territory. Tim is a keen gamefisherman and has extended his 19 years of GIS experience to supporting several state and national recreational and gamefishing associations by analysing and reporting on recreational fishing effort in his own time.



ABSTRACTS

UTILITIES AND COMMUNICATIONS

InService 8.2

Simon Ferneyhough, Business Development Manager for Utilities and Communications, Asia Pacific, Intergraph

In this presentation Simon will provide an introduction to the latest version of Intergraph's InService solution suite, together with discussion of recent InService projects from around the globe.

The presentation will be followed by a brief demonstration of InService 8.2, including integration to analysis and automation tools from Siemens Power Transmission & Distribution.

Airborne Motion Video

Robert Scott, Executive Director, Security Solutions Marketing, Intergraph

Since somebody first decided to use a camera to take a picture of the ground from an aircraft to the use of high resolution images from space born satellites, images of the ground have been used to try and understand things. Whether to determine targets by military organisations, or damage to communities caused by floods, fires or other disasters aerial imagery is a valuable source of information. Intergraph has developed tools to help operators systematically retrieve, study, classify and annotate images for various reasons. Our tools have, to date, been used for static images. This year Intergraph is releasing a solution that catapults this capability into the video world. Attend this session to learn how video imagery captured from an airborne vehicle can be fused with 2D and 3D geospatial mapping to provide a broader context of information.

G/Technology 10.1

Martin Byrne, GIS Team Leader, Intergraph

An overview of the recently released 10.1 and soon to be released 10.1.1 versions of G/Technology. In this presentation we will review the more significant improvements in G/Technology along with the benefits of using the Oracle Object Model (Spatial Geometry) and what is required to move from your current version of G/Technology to the new 10.1 or 10.1.1 version.

ABSTRACTS

DAY 1
WEDNESDAY 24 MARCH

ResPublica: Introduction and Demonstration

Anton van Wyk, Industry Specialist, Geospatial Applications, Intergraph

In this presentation Anton will demonstrate how GeoMedia ResPublica Intranet is a powerful, cost-effective WebGIS application based on Intergraph's GeoMedia WebMap. GeoMedia ResPublica Intranet has a wide range of uses from a simple address search to integrating and using cadastral and survey data, development and land use plans, aerial photographs, mains network plans and carrying out complex spatial analyses. In all cases, GeoMedia ResPublica Intranet provides the ideal solution for making high-quality GIS data available within a company via an Intranet and/or the Internet to a large number of users at any number of desktops.

Where in the World is the Smart Grid?

Simon Ferneyhough, Business Development Manager for Utilities and Communications, Asia Pacific, Intergraph

Smart meters, smart grids, smart cities... just what constitutes a 'smart' solution to better manage energy resources today? In this presentation Simon will present a regional perspective of Intergraph's customer's Smart Grid initiatives, and discuss the role to be played by Intergraph solutions.

Following the presentation we will facilitate an open discussion on just what 'Smart Grid' means to the South East Asian energy market. This will be an opportunity for delegates to review the topic with their peers, and to help direct Intergraph's future development efforts.



ABSTRACTS

DAY 1
WEDNESDAY 24 MARCH

PUBLIC SAFETY AND SECURITY

Public Safety Trends and Roadmap

Peter Crosbie, Product Manager, CAD, Mobile and Interfaces, Intergraph

As the Intergraph Product Manager for CAD, Interfaces and Mobile, Peter Crosbie is well-versed in the current and emerging trends in public safety operations and technology, and how Intergraph's CAD product suite is evolving to meet those trends. In this session Pete will discuss some of the key world-wide trends being seen in 2010, and present Intergraph's 2010-2012 product roadmap for the CAD, Interfaces and Mobile Data product suite.

What's new in I/CAD 9.0

David Goedecke, Senior Enterprise Architect, Intergraph

I/CAD 9.0.0 was released to market in June 2009 and represented a major step in the delivery of computer-aided dispatch functionality with many new features and capabilities. David will present many of these new features and demonstrate how they can be used and configured by Intergraph's public safety user community across all types of services.

Video Analyst - Demonstration and Presentation

Duncan Kennington, Enterprise Architect, Intergraph

In this presentation Duncan will discuss how Intergraph's Video Analyst System is a comprehensive, effective, affordable, and user-friendly solution for video enhancement and analysis. Whether used for law enforcement, surveillance, or security applications in government agencies or private industry, Video Analyst provides features found nowhere else. Using NASA's Video Image Stabilisation and Registration (VISAR*) technology, Video Analyst incorporates a wide-ranging toolset, making it ideal for providing video analysis capabilities in a variety of applications. It combines capabilities previously found only in high-end broadcast-quality systems with the tools necessary to capture, analyse, enhance, and edit any type of video, all with a user-friendly Microsoft Windows and Adobe Premiere based interface.

What's Hiding in your Database Schema?

David Goedecke, Senior Enterprise Architect, Intergraph

The I/CAD database is a complex beast and reporting from it is not for the faint-hearted. However there are some fundamental tables and relationships that form the basis of most agencies' reporting needs. In this presentation, which is based on one presented at Intergraph 2009 in Washington DC, some of the secrets of the CAD database will be revealed. Additionally, since there are a number of structural changes applied in I/CAD 9.0, these will also be highlighted.

GOVERNMENT AND TRANSPORTATION

GeoMedia Functional Attributes Workshop

Roland Klamt, Senior Application Specialist, Intergraph

Functional Attributes is one of the most powerful tools available for analysis within GeoMedia. Functional Attributes are dynamic attributes and/or geometry derived from custom built expressions and can be used within queries, editing of attribution and map display. Functions can manipulate, calculate properties and create geometry.

In this workshop Roland will show an overview of the tools available, and provide typical examples of the use of functional attributes in symbolisation, orientation, geometry manipulation and proximity analysis.

GeoMedia and GeoMedia WebMap Tips & Tricks

Anton van Wyk, Industry Specialist, Geospatial Applications, Intergraph

There are several commands and analysis tools in the core GeoMedia and GeoMedia WebMap products that can be used in a number of ways by combining them in workflows. In this session Anton will show you some examples of how the analysis tools can be used to get the best results. He will also look at some commands, tools and functions that might not be that obvious, but can help users to be more productive and produce outstanding maps and reports.

ABSTRACTS

DAY 1
WEDNESDAY 24 MARCH

Raster Utilities Workshop

Roland Klamt, Senior Application Specialist, Intergraph

Raster Utilities is a collection of imaging software tools provided with Intergraph GeoMedia and Imaging applications, to convert imagery formats, which can be used to help reduce memory usage, increase display performance, and improve data transfer times. In this workshop Roland will discuss the tools available, including techniques on overview creation, tiling, image compression and geo-referencing.

Examples of batch processing scripts will be provided focusing on image geo-referencing and conversion, with discussion on multiband imagery, like IR band and the new tiff variant BIGTIFF, as well as the do's and don'ts, tips and tricks, and questions you were afraid to ask on image data.

Licensing Tips & Tricks

Des Voight, Senior Consultant, Intergraph

In this session Des will present some tips and tricks to help reduce the to-and-fro communications to ensure fast turn-around of commonly required licensing requests such as changing Host IDs (Rehosting, or moving license servers), setting up concurrent licenses, dealing with lost licenses and explaining "borrowing" licenses. What a LAC is, available license types and other licensing related information will also be presented.

DAY 2
THURSDAY 24 MARCH

KEYNOTES

Intergraph South East Asia Strategic Overview & Update

Peter Russell-Smith, General Manager Public Safety & Security South East Asia, Intergraph

Peter will provide an overview of Intergraph's operations in the Asia Pacific region including local and regional structures. Peter will also discuss Intergraph's focus, commitment and investment in Asia Pacific.

Achieving Operational Interoperability through Emerging Standards

Robert Scott, Executive Director, Security Solutions Marketing, Intergraph

The term 'Security' relates to many disciplines that range from physical security to cyber security to national or homeland security. As technologies and applications evolve from using proprietary, binary data protocols to open, IP based data protocols the convergence of these disciplines is happening at a rapid rate. Data standards are emerging enabling organisations to integrate data from various systems into information that can be used for tactical actions. Systems from one organisation will be able to exchange information with systems of another organisation to achieve operational interoperability. This presentation will discuss some examples of emerging standards and how they are being used in projects around the world.

Geospatial Collaboration and Integration via SDI and the "GeoWeb"

Roger Harwell, Product Manager – GeoMedia, Web & Industry Products, Intergraph

The need for exchanging and sharing data is continuously growing within and between government organisations, commercial businesses, and the public. Spatial Data Infrastructures (SDI) address this growing business requirement by offering technical and organisational solutions to satisfy the requirements for geospatial collaboration and distribution. At the same time, the web continues to explode with innovation and content as "Web 2.0" evolves into "Web 3.0" and beyond. The "GeoWeb" is certainly a part of that explosion. Led in part by the plethora of "mashup" web sites becoming available, it is also being driven by the adoption of OGC and ISO web services as the standard way of accomplishing interoperability with geospatial data. This juncture is giving impetus for creating geospatial applications and solutions which provide collaboration and integration never envisioned a few years ago.

ABSTRACTS

DAY 2 THURSDAY 25 MARCH

UTILITIES AND COMMUNICATIONS

G!NIUS

Ken Mathers, Senior Consultant, Intergraph

Ken will introduce Intergraph's latest solutions for Utilities. G!NIUS is a multi utility solution built on top of G/Technology. It is a comprehensive pre-configured solution to enable rapid implementation and lower cost of ownership by the use of standards. It supports the full set of GIS tools to capture and maintain data, manage the assets through their lifecycle, report, share data, interface with other systems etc. The methodology enables extended upgrade support across both the application AND the data model, thus achieving even lower cost of ownership.

Mobility: FieldSketch and OnDemand

Martin Byrne, GIS Team Leader, Intergraph

Rather than loading an 'asbuilt' diagram as a backdrop in G/Technology and digitising the feature information use FieldSketch to reduce your work requirements. Using the FieldSketch extension to the G/Mobile product a user can draw feature information in the field. The captured data is returned to the office and loaded into G/Technology using a data loader process that creates the feature in G/Technology using the standard functionality that creates owner and connectivity relationships. Running on a Windows Mobile device OnDemand has been extended via standard customisation to improve the field inspection of assets. The Field Inspection module takes data from G/Technology and presents this in a standard form display. In addition to capturing GPS data the Field Inspection module provides data validation and picklist functionality to allow for a more rapid and accurate capture of data. The inspected data is then returned and updated into G/Technology.

Intergraph's Communications and Fibre to the Home Solutions

Ken Mathers, Senior Consultant, Intergraph

In this presentation Ken will show the latest Intergraph solutions to assist in the design of fiber networks to support fiber to the home along with the modelling and reporting of the complex relationships between pipe networks, fiber ducts, internal fiber cores and splice points from end to end of a fiber circuit. You will see a live presentation of the software along with details on development work that is under way to extend the software even further.

ETSA Outage Monitor

Kevin Mason, OMS Business Systems Administrator, ETSA Utilities

In this presentation, Kevin will demonstrate ETSA Utilities' real-time reporting tool "The Outage Monitor". The Outage Monitor provides a user configurable detailed account of the current and historical work orders that can viewed by everyone from the CEO to the depot coordinators in an easy to use web site. The Outage Monitor directly interrogates and summarises the data from InService allowing ETSA to report in real-time power outage durations, reliability figures, depot work loads, incoming call rates and other incidents.

ROI Overview

Paul Leahy, Business Development Manager Utilities, Intergraph

Intergraph has been working to improve how we support our customers. We have changed our mode of operation and established a strategic direction to support our customers and operate as a partner. One outcome of this is improving our understanding of customer business drivers and how our capability can improve customer business drivers. Examples of business drivers we support include:

- Reducing cost of outages to utility networks
- Reducing cost of outages to software or hardware supporting field force
- Reduce risk of inaccurate or corrupt data
- Review and reduce software maintenance costs
- Achieve Multi Utility efficiencies
- Field crew routing optimisation
- Infrastructure and communication costs management
- Reduce manual asset inspection processes
- Automated infrastructure switching
- Improve leak monitoring and response
- Automated system assessment and planning processes
- Automated design tools and materials ordering – reducing logistics and capital costs
- Eliminate printing and manual data entry

In this presentation Geospatial Asset Management 'future-state' business processes will be discussed along with how Intergraph's offerings are designed to support this approach.

ABSTRACTS

DAY 2
THURSDAY 25 MARCH

Aurora Energy's Field Tool Journey

Pat Luttrell, GIS Developer - Network Division, Auora Energy

Aurora Energy maintains its electrical asset model in G/Technology. Following migration from FRAMME to G/Technology, Auora Energy required a tool to allow for seamless integration of field-captured asset data to G/Technology.

Intergraph was commissioned to develop a field tool solution based on the G/MobileViewer platform. In this presentation Pat will discuss the solution including the GPS capability to create and maintain electrical distribution asset records that has been designed to allow for multiple capture modes within a simple GUI. It is envisaged that this tool will establish the foundation for development of Auora Energy's future suite of mobile field tools.

The tool can be easily configured on any field unit as an add-on to G/MobileViewer. Field files can be automatically transferred to a server via Next-G where they are processed as G/Technology jobs. G/Technology editors perform data QA before jobs are posted/closed.

Data Model Management Tools

Ken Mathers, Senior Consultant, Intergraph

The need to quickly respond to business requirements often involves changes to the GIS data model. This is always a challenging exercise and can lead to costly and complex projects. In this presentation Ken will show our latest developments to provide tools to make this complex process much easier. It involves steps to work with non technical people in the organisation to explain complex data modelling in simple terms while the requirements are being captured and then to turn that gathered information back into complex technical terms to enable the changes to be applied to the GIS model. A spin off of this process is a clearly documented model per version with the ability to easily report changes over time for better version management.

PUBLIC SAFETY AND SECURITY

New Zealand Emergency Response Services - An Evolving Partnership

Peter Stokes, Inspector, New Zealand Police

Peter will present a general overview of the New Zealand Police and the relationship with other emergency services and how they coexist and function in New Zealand.

The New Mobile for Public Safety

David Goedecke, Senior Enterprise Architect, Intergraph

For a number of years Intergraph's mobile data client has been I/Mobile. With the release of I/CAD 9.0.0 a new mobile data client, Mobile for Public Safety, has been launched. In this presentation David will show how Mobile for Public Safety is built on thin-client, web-based technology, providing users with a rich user interface and streamlined functionality. And how disconnected workflows allow mobile data functionality to be available even when wireless network coverage is poor, and the ability to directly utilise Bing or Google maps enhances the mapping and routing features of the product.

Technology Convergence

Brett Abraham, General Manager, Sigtec

With a continuing uptake of new and additional crime fighting technology used in vehicles today by police officers, the demands for vehicle space and power resources is an ongoing challenge. This challenge can be overcome to some extent by sensible integration of equipment with an aim to minimise use of space and power in the vehicle, however the optimum convergence of technology is achieved through a fully integrated software and hardware solution. In this presentation Brett will show how police officers are able to efficiently access Computer Aided Dispatch, Information Databases, SatNav, ANPR, Digital Video, CCTV, Fingerprint Scanners as well as controlling Speed Radars, Voice Radio, Message Boards, Lights and Sirens, Power Management etc all through a truly converged environment in proven successful field use in the UK today. This innovative fully integrated hardware and software solution eliminates clutter and equipment in the vehicle, reduces distractions and provides all this enhanced operational capability through a single intuitive touch screen display that greatly assists police officers to work more effectively on the road.

ABSTRACTS

DAY 2
THURSDAY 25 MARCH

Introduction to E•SPONDER

Rob Wolf, President & CEO, E•SPONDER

An introduction to E•SPONDER, an Incident Response solution for first responders, corporate and governmental organisations. Built upon Microsoft Office SharePoint Server 2007, E•SPONDER's unified command system delivers a tactical solution to plan for, respond to and recover from both planned events and unplanned events of any size and scope. See a demonstration of E•SPONDER integrated with Intergraph's solution to create a total situational awareness solution. Also see how the New Zealand Ministry of Foreign Affairs and Trade is using E•SPONDER to manage crisis abroad. The presentation will include a live demonstration of the Ministry's worldwide Emergency Management portal.

Airborne Motion Video for Public Safety & Security

Robert Scott, Executive Director, Security Solutions Marketing, Intergraph

Since somebody first decided to use a camera to take a picture of the ground from an aircraft to the use of high resolution images from space born satellites, images of the ground have been used to try and understand things. Whether used to determine targets by military organisations, or damage to communities caused by floods, fires or other disasters aerial imagery is a valuable source of information. Intergraph has developed tools to help operators systematically retrieve, study, classify and annotate images for these various reasons. Our tools have, to date, been used for static images. This year Intergraph is releasing a solution that catapults this capability into the video world. Attend this session to learn how video imagery captured from an airborne vehicle can be fused with 2D and 3D geospatial mapping to provide a broader context of information for public safety and security organisations.

Business Intelligence for Public Safety

Peter Crosbie, Product Manager, CAD, Mobile and Interfaces, Intergraph

Business Intelligence for Public Safety was introduced to the Intergraph User Group in 2009. Following on from that initial presentation Peter Crosbie will provide more information about the Business Intelligence product and lead a demonstration of its potential to form the basis of an enterprise-wide CAD data warehouse and reporting solution.

Introducing the Intergraph Interoperability Framework for I/CAD

David Goedecke, Senior Enterprise Architect, Intergraph

For several years Public Safety & Security Enterprise Architect David Goedecke has been leading the conceptual design of a framework for incorporating I/CAD into a public safety organisation's wider enterprise using Microsoft BizTalk Server. With the release of I/CAD 9.0.0 this concept is a reality and David will demonstrate the components of BizTalk Server and the Interoperability Framework, showing how they can be used to perform a range of information sharing and enterprise-level integration activities.

GOVERNMENT AND TRANSPORTATION

New Intergraph Solutions – GeoMedia Spatial Data Infrastructure Ready Solutions; ResPublica; GeoMedia 3D; and Motion Video Exploitation

Roger Harwell, Product Manager, GeoMedia Web and Industry Products & Anton van Wyk, Industry Specialist, Geospatial Applications, Intergraph

In this presentation Roger and Anton will introduce recently developed Intergraph solutions that address key industry issues including GeoMedia Spatial Data Infrastructure (SDI) ready solutions including SDI Pro and SDI Portal for geospatial information collaboration and distribution; GeoMedia 3D; ResPublica for improving web based geospatial data access; and Motion Video Exploitation – a new dimension in geospatial analysis.

Victorian Education – Bus Route Planning – Student Transport and Emergency Planning

David Bruce, Business Development Director, Omnilink

In this presentation David will discuss how using GeoMedia Transportation Analyst, the Victorian Education have developed a series of maps to better manage school transport for students with varying requirements for travel. The Emergency and Security Management Unit have also modelled bush routes for planning and safety purposes particularly with regards to situations during bush fire season. The presentation will review the methodology used and include examples of resultant maps and reports. Other uses of GeoMedia within the Department will also be highlighted to show the diverse use of the technology.

ABSTRACTS

DAY 2
THURSDAY 25 MARCH

Webmap Publisher, Configurations and Customisation used at Aurora

Tim Wicks, GIS Project Developer, Distribution Capability Improvement Group, Aurora Energy Pty Ltd

Aurora Energy has used GeoMedia WebMap as the primary portal to Tasmania's electricity distribution network for nearly ten years. From basic functionality in WebMap v1.0 to significant customisation in v6.0, WebMap has helped push the knowledge boundaries in Aurora's business by providing ease of access to sometimes complex information in a simple map interface.

Tim Wicks will provide an update on recent development of Aurora's WebMap service including:

- Dynamic thematic mapping within WebMap;
- The integration of dynamic labelling using MapText Inc.'s product LabelWeb;
- WFS integration of real-time weather observations and lightning strike data, and
- Interfacing with InService (OMS) CAD data.

GeoMedia Product Update – What's new in GeoMedia, GeoMedia Pro, WebMap and WebMap Pro

Roger Harwell, Product Manager, GeoMedia Web and Industry Products

In this presentation Roger will present the latest functionality in the new releases of Intergraph's GeoMedia desktop and web products. Enhancements address several areas: enterprise; visualisation; map production; productivity and performance; and customisation. Roger will also discuss roadmaps for the future.

GeoMedia as a Productivity Tool for Capturing and Accessing Road Network Video

Rishi Viner, Managing Director, PureData

PureData have recently been involved in a major update to Brimbank City Council's road asset management database. Brimbank Council needed to update its condition data to enable meaningful asset management predictions to be made, but also knew that the segmentation that broke the network down into meaningful asset management segments was out of date to the point of needing a complete re-segmentation.

In this presentation Rishi will discuss how PureData undertook to amalgamate all of Brimbank Council's old asset management segments back into whole road segments using the GeoMedia Professional software and the core road database information. A by-product of this amalgamation was a much more efficient field survey as whole roads could be driven at normal road speeds instead of driving individual and often small asset management segments.

Following the survey, PureData were able to use the GeoMedia software to dynamically re-segment the whole road network based on fresh and relevant data, such as major material type changes.

The road analysis included the logging and locating of over 500,000 individual road defects, which are used to calculate road condition scores and prioritise segments on the road network for maintenance. PureData were able to dynamically allocate these individual defects to the new road segments, dynamically re-calculate the condition scores and dynamically produce a new database of information on the road network for the asset management system. This was performed with a minimum of manual work and represented a significant cost saving to Council, compared with other normal methods.

Why all the Behind the Scenes Policies and Rules are Important to the Spatial Industry

Diane Daniell representing the Victoria Spatial Council

The Victorian Spatial Council is focusing its attention on delivering the Victorian Spatial Information Strategy 2008-10 (VSIS), in particular the Spatial Information Management Framework and legislation to modernise the management regime for spatial information. One of its objectives is to make the Strategy and Framework known to wider audiences, and to promote the support that they can provide in the development of tools and applications that make use of spatial information.

In this presentation VSC member Diane Daniell will explain details of activities that are underway to implement the Strategy and Framework and how they can stimulate new development of spatial information.

ABSTRACTS

DAY 3
FRIDAY 26 MARCH

KEYNOTES

Technology Vision and Roadmap for Security, Government & Infrastructure

Roger Harwell, Product Manager, GeoMedia Web and Industry Products, Intergraph

Cloud computing, Software as a Service, SOA, mobile computing, social networking: the technology landscape continues to evolve rapidly. Roger will discuss technology trends affecting the industries served by Intergraph, lay out Intergraph's technology vision and roadmap, highlight specific progress toward the vision and illustrate how Intergraph's technology can help bring added value to your organisation.

Telecommunications Emergency Management Framework in Emergency and Disaster Management

Alex Stefan, National General Manager, Public Safety and Security, Telstra Enterprise & Government

Fires, cyclones, floods and other natural disasters impact the Australian landscape on a seasonal cycle. These natural disasters can have a significant impact on Australian communities. The Emergency Services Organisations play a vital role in planning, responding and recovering communities from these natural disasters.

Critical infrastructure such as electricity, water, and telecommunications are pivotal to the operations of the Emergency Services Organisations and the communities they serve. Emergency Services Organisations and communities have an expectation that critical infrastructure such as telecommunications will be available or restored as soon as practical.

Telstra has developed an Emergency Management Framework to respond to disasters. Whether there is a cyclone crossing the Top End, a bushfire raging near Sydney or even an event such as the Australian Open, there is a focus on keeping customers connected. The Emergency Management Framework is focused on continual improvement, incorporating actions resulting from regular post-implementation reviews, and which encourages close relationships and collaboration with Emergency Service Organisations.

This presentation will outline the Emergency Management Framework established by Telstra to meet the challenges of the Australian continent, its capacity to restore services and assist Emergency Services Organisations in meeting the expectations of the community during a natural disaster.

Pictometry 3D Imagery for Public Safety and Security

John Blackburn, Business Manager, AAM

Pictometry® is a revolutionary visual intelligence technology integrated with Intergraph geo-spatial solutions. This unique 5 camera system incorporates high resolution geo-referenced Orthogonal (straight down) and Oblique (angled) aerial photography. Pictometry allows users to view any point from up to 12 angles, achieving a spatial knowledge like never before. For Emergency Services around the world, it supports incident response, planning and turns night into day.

This presentation provides insight into the technology and its use by illustrating practical Pictometry Visual Intelligence applications in Public Safety through its integration with Intergraph CAD solutions as well as its benefits for personnel and asset security in Utilities.

Systems Interoperability - Enhancing management analysis and decision-making processes

Tim Wicks, GIS Project Developer, Distribution Capability Improvement Group, Aurora Energy Pty Ltd

Aurora Energy, Tasmania's electricity distribution network service provider, has enjoyed the benefits of interfacing multiple business systems for over five years now. Aurora's growth within this area has exposed ever-increasing volumes of data to their spatial network model and has led to significant improvements in a collective understanding of the distribution network's characteristics and performance.

From analysing historical asset performance metrics to managing power restoration efforts during severe weather events, Tim will explore Aurora's journey so far. Tim will discuss interoperability within Aurora's business and demonstrate improvements in analysis and decision-making processes from a spatial perspective.

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The Sigtec group of companies specialises in delivering wirelessly enabled Intelligent Transport Systems (ITS) solutions to Public Safety, Public Transport and Taxi industries. Sigtec's Critical Communications Division is Australasia's leading independent supplier of mission critical mobile data solutions for Emergency Service Organisations. The division provides robust field proven technology that delivers data messaging across multiple wireless communications networks seamlessly and reliably to mobile users. A wide range of in-vehicle and portable computing devices are available from Sigtec to ensure the best fit solution from an operational and commercial perspective is achieved. The innovative Sigtec product range when combined with proven experience in delivering large scale ITS systems integration projects, provision of ongoing system administration and field maintenance services, means that Sigtec can provide the complete package for Public Safety mobile data solutions. Sigtec has been in operation for over 25 years and has Australian offices in Melbourne, Sydney and Brisbane as well as international offices in Auckland, Dubai and Glasgow. Sigtec has the people, the experience, the products and the innovation to be your total mobile data solution partner of choice. www.sigtec.com.au



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OMNILINK

OMNILINK delivers ISO 9000: 2008 quality assured services and information to organisations that recognise the importance of appropriate, timely and accurate visual information to their business. OMNILINK manage data by applying the skills of its people, with processes and suitable technology. OMNILINK is an Intergraph Registered Solution Provider within Australia and has experience in the implementation and training of GeoMedia software and applications. Throughout the past 12 months OMNILINK has assisted clients with upgrades to GeoMedia Web Map, integration of new technologies including Pictometry and geo-referenced video and delivered training to numerous agencies in GeoMedia desktop environments. OMNILINK provides sophisticated geo-coding and metadata solutions as well as expert business consulting in spatial privacy risk management.



OMNILINK provides services to clients covering local and state government, utilities and the corporate sector. OMNILINK has offices in Melbourne, Canberra, Sydney, Albury-Wodonga, Brisbane, New Zealand and Hong Kong. www.omnilink.com.au

puredata

puredata is a technology- based company specialising in engineering asset management. They have extensive experience in the field of road network condition assessment and optimisation. Founders include Derek Viner who has 29 years local and international experience in industrial risk management and Rishi Viner who has 10 years experience in the road pavement asset management field. David Armitage has 30 years experience in third party certification to Australian and International standards in the fields of OH&S, environment and quality management.

puredata's digital video technology makes it possible to cheaply and rapidly collect crystal-clear imagery of large asset networks of a quality that enables cost-effective office-based condition analysis of those networks. The images are calibrated and spatially referenced, so all defect data, asset inventory information and observations can be directly used in the GIS. The images can even be used to rapidly audit your existing spatial databases.



puredata operate specialist equipment for capturing professional, engineering quality imagery from road, path, rail or air. www.puredata.com.au

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