



GE
SMART
ASIA 2016

17-19 OCT, 2016

BERJAYA TIMES SQUARE HOTEL, KUALA LUMPUR, MALAYSIA

GE
Intelligence

Asia Pacific Forum

18 OCT, 2016

THEME: GEOSPATIAL PPP
FOR BUSINESS & SOCIETY

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EVERYTHING IS SOMEWHERE

LEVERAGE THE POWER OF LOCATION

The socio-economic landscape of **Asia Pacific** is undergoing a radical shift, fuelled by growing economies and rapidly growing population. This translates into food, housing, water and electricity security, demand for new physical and digital infrastructure, adequate natural resources, citizen services and facilities, a robust private sector to support growth, addressing regulatory concerns and meeting growing consumer demands. Is the region equipped well enough?

Business as Usual will not be sufficient to effectively manage the enormity that lies ahead of the world's fastest growing continent and leveraging opportunities. It requires a new thinking, since tomorrow's challenges cannot be addressed by yesterday's tools. A spatial approach with its powerful visualisation capabilities will be the basis of this new approach.

GeoSmart Asia, the premier conference and exhibition for geospatial technologies in Asia Pacific, aims to connect diverse sectors to the benefits of geospatial technology and bring it closer to stakeholders of economic growth and national development

Read on to know more about how geospatial approach spells new opportunities and empowers you to stay competitive and relevant.

GEOSMART ASIA AT A GLANCE

“
700+
DELEGATES
”

“
270+
ORGANISATIONS
”

“
100+
PRESENTATIONS
”

“
500
sqm⁺
EXHIBITION
SPACE
”

“
22+
COUNTRIES
”

“
20+
COLLABORATIVE
PARTNERS
”

WHO SHOULD ATTEND

- › Geospatial technology companies (GIS, surveying, UAV, mapping, LiDAR, laser scanning, 3D modeling, GPS, location intelligence, cloud computing, etc)
- › Geospatial data providers: National mapping and space agencies
- › Policy makers and public administrators
- › Government and private end-user departments
- › Geospatial practitioners and System Integrators
- › Consultants and project implementers
- › Academia, researchers, students
- › Entrepreneurs, Marketing Managers, CTOs, CEOs, business strategists
- › Multilateral agencies
- › Industry associations

USER SECTORS

- › Economic Planning & Governance
- › Public works
- › Agriculture, Plantation and Fisheries
- › Construction & Infrastructure
- › Urban Planning and Development
- › Disaster Management › Mineral Resources
- › Utilities (Water, Electricity, Telecom)
- › Transportation & Logistics
- › Natural Resources, Environment and Forestry
- › Land Administration
- › Housing › Citizen services › Health
- › Business enterprises
(Banking, Financial Services, retail, supply chain)

THEME: GEOSPATIAL PPP FOR BUSINESS & SOCIETY

Asia Pacific region, is experiencing rapid development with ongoing and in pipeline multi-billion dollars projects. Transport infrastructure, telecommunications and energy generation projects, among others, are becoming national priorities. Apart from being an additional funding source and mitigating risk, governments are increasingly turning to the private sector to explore latest technology and innovation to improve operational efficiency.

Such partnerships between the public and private sector are becoming imperative in geospatial industry as well. With conducive market-oriented policy frameworks, governments can give impetus to the ecosystem, especially businesses, to ensure geospatial information and technology are available to society at large. For example, to prepare for natural disasters, governments need to partner with private sector to deploy high technology communications and access to satellite data for emergency response centers. These centers can integrate their services to offer additional benefits such as weather forecasts, sea surface condition and potential fishing zones, which benefit fishermen and society in general.

GeoSmart Asia 2016 aims to explore new opportunities for public-private partnership in geospatial industry, and ways to bring the technology closer to society.



INAUGURAL SPEAKERS

GUEST OF HONOR



DATUK DR. ABU BAKAR BIN MOHAMAD DIAH

Deputy Minister of Science, Technology and Innovation Malaysia

KEYNOTE ADDRESS



KAPIL SIBAL

Member of Parliament Republic of India

PLENARY SPEAKERS

PLENARY THEMES

- › PPP Driving National Geospatial Platform for SDGs
- › Innovation in National Development Projects



DATO' DR. NADZRI BIN YAHAYA

Deputy Secretary General Ministry of Natural Resources & Environment, Malaysia



BENG CHIEH QUAH

Head of Marketing Asia-Pacific FARO, Singapore



DATO' SRI KANDAN KANAGAINTHIRAM

Chairman AECOM Malaysia



DATO' SR HASAN BIN JAMIL

Deputy Director General of Survey and Mapping Malaysia



GREG SCOTT

Inter-Regional Adviser, United Nations Global Geospatial Information Management, USA



KAUSHIK CHAKRABORTY

Vice President SE Asia & India Bentley Systems Singapore



KEVIN POMFRET

Executive Director Centre for Spatial Law & Policy USA



ED PARSONS

Geospatial Technologist Google United Kingdom

APAC NMA-INDUSTRY EXCHANGE FORUM

The Forum will bring together the perspectives of these two important stakeholder of geospatial ecosystem on how collaborations can be forged for ensuring smarter and sustainable delivery of spatial data and information for various national development goals or the SDGs.

PARTICIPANTS

Senior representatives of large, small and medium enterprises mainly from APAC region

Senior representatives of all UN-GGIM: AP, which includes the following countries:

- Afghanistan
- American Samoa
- Armenia
- Australia
- Azerbaijan
- Bangladesh
- Bhutan
- Brunei Darussalam
- Cambodia
- China
- Cook Islands
- Republic of Korea
- Fiji
- French Polynesia
- Guam
- Hong Kong, China
- India
- Indonesia
- Iran
- Japan
- Kazakhstan
- Kiribati
- Kyrgyzstan
- Lao People's Democratic Republic
- Macao, China
- Malaysia
- Maldives
- Marshall Islands
- Micronesia
- Mongolia
- Myanmar
- Nauru
- Nepal
- New Caledonia
- New Zealand
- Niue
- Northern Marianas
- Pakistan
- Palau
- Papua New Guinea
- Philippines
- Republic of Korea
- Russian Federation
- Samoa
- Singapore
- Solomon Islands
- Sri Lanka
- Tajikistan
- Thailand
- Timor-Leste
- Tonga
- Turkmenistan
- Tuvalu
- Uzbekistan
- Vanuatu
- Viet Nam

SESSIONS

SMART CITIES /// UTILITIES /// BIM

Focus Areas:

- › Geospatial tools for urban development
- › Efficient land use planning
- › Intelligent Transport System and Smart Mobility
- › Smart Building & Infrastructure Design
- › Sustainable Construction
- › Geospatial readiness for Smart Grids
- › Smart geospatial solutions for utilities

Workshop on Space Applications in Smart Cities hosted by



KEY FACTS

- Over 66.2 percent of the region's population in urban areas by 2050¹
- Infrastructure market to grow by 7% to 8% annually over the next decade, nearing US\$5.3 trillion by 2025²
- Share of global infrastructure spending is set to grow from 30% in 2012 to 48% by 2025²

In Collaboration With



DATO' HJ. MOHD ZAKI BIN IBRAHIM*

Deputy Director General
Federal Dept of Town & Country Planning, Malaysia



ANDY WILSON

Director Strategic Business Development, Ordnance Survey United Kingdom



DR JOHN ROGERS

Executive Director, buildingSMART Malaysia



WAN RAZALI MATSAH

Assistant General Manager Geomatics Development & Services Telekom Malaysia



MOHD AZAN MAT JUSOH

Utility Solutions Business, ICT Division Tenaga Nasional Berhad Malaysia



MELANIE ABUEL

Asset Information Management System Manila Water Philippines



MOHD ZUBAIDI DAUD

GIS Executive Indah Water Consortium Malaysia



LI JUAN

Principal GeoSpatial Consultant Singapore Land Authority



CHARLES WANG

Software Developer - Spatial & Graph Technologies Oracle China



ROHAIZAD MAT NAWI

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RONAN COLLINS

Executive Director AECOM Malaysia



ABHAY MITTAL

CEO Skymap Singapore



PONGSAKORN YUTHAGOVIT

Deputy Director, System Planning Department Provincial Electricity Authority, Thailand

LOCATION ANALYTICS DRIVING BUSINESS INTELLIGENCE

Focus Areas:

- › Efficient risk and asset management in insurance and banking
- › Integrated Emergency Support System involving automotive, telematics and healthcare industries
- › Innovation in location data and analytics for society

In Collaboration With



**SOMASUNDARAM
NAGAPPAN**

Senior Manager
Big Data Analytics
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**RABIHAH
ILYAS**

Head
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Management Unit
Malaysian Institute of Road
Safety Research



**EVE
KLEIMAN**

Director, Spatial & Graph
Solutions - Asia/Pacific
Oracle
Australia

DISASTER MANAGEMENT

Focus Areas:

- › Climate change analysis, impacts, mitigation and resilience
- › Value and analysis of spatial data and geographic methods of spatial analysis in meteorology and climatology
- › Crowdsourcing-based alert applications
- › Location-specific modelling and visualisation
- › Big data analytics for hazard management

KEY FACTS

- East Asia Pacific most disaster stricken region in the world³
- 61 percent of global losses from disasters sustained by the region in the past 20 years³
- Climate variability and extreme weather expected to have major impacts, increasing the magnitude and intensity of natural disasters in the region



**DATO' IR. HAJI
ZULKEFLI BIN
HASSAN***

Director General
Department of Irrigation &
Drainage
Malaysia



**IR. MOHD ZAKI BIN
MAT AMIN**

Director Water Resources
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**DR PAN
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**MICHAEL
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PLACIDI**

Business Development
Manager, MetaSensing
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PRIYONO

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Muhammadiyah Surakarta
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LIM CHOUN-SIAN

Senior Research Officer
Centre for Southeast
Asia Disaster Prevention
Research
Universiti Kebangsaan
Malaysia

AGRICULTURE & PLANTATION



**ROSELY
KUSIP**

Board of Director, Sime Darby Plantation Malaysia



**DR. SIVA
BALASUNDRAM**

Associate Professor (Precision Agriculture)
Faculty of Agriculture
Universiti Putra Malaysia



**TOTOK
SUSWANTO**

Agronomist / Senior Research Officer
PT. Applied Agricultural Resources, Indonesia



**SUSANDI
KUSUMA**

GIS specialist
Indonesia



**AVINASH
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Secretary General
International Commission on Irrigation & Drainage
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**GIL
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Program Development Director, Galilee International Management Institute
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**THOMAS
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Deputy Director for Pre Harvest Research, Indonesian Rubber Research Institute



**RICHARD
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Vice President
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USA



**RAGHAVAN
SAMPATHKUMAR**

Director
SmartBiz
Singapore



**MARK
YONG**

CEO/Co-founder
Garuda Robotics Pte Ltd
Singapore

KEY FACTS

- More than 2.2 billion people in the region rely on agriculture for their livelihoods⁴
- Indonesia and Malaysia produce about 85% of the world's palm oil⁵
- By 2050, between 4.3 and 8.5 million hectares of new rubber plantations will be required to meet projected demand⁶

In Collaboration With



PROFESSIONAL DEVELOPMENT PROGRAMMES

SURVEYORS' WORKSHOP

Focus Areas:

- › Orientation to Modern Survey Tools: Modeling Software, UAVs, Laser Scanners and LiDAR, GNSS, Point Cloud Data, Photogrammetric Cameras
- › Evolving User Needs: Agriculture and Plantation sector, Land and Property Management and Infrastructure Development
- › Case study exchange and open house discussion



**SR MOHAMAD KAMALI
BIN ADIMIN**

Director, Department of Survey and Mapping State of Selangor
Malaysia



**JACKSON
CHAM**

Technical Sales Manager
Bandwork GPS Solutions
Malaysia

YOUTH FORUM

Objectives:

- › Provide opportunity to showcase abilities of young students and researchers through research papers, posters, application development etc.
- › Facilitate collaboration opportunities among students, researchers, young professionals with larger industry
- › Orientation on Industry Trends & Directions
- › Discussion on Job Opportunities



DR SHAHNAWAZ

Director (S & SE Asia),
UNIGIS International
University of Salzburg
Austria



DR LAM KUOK CHOY

Senior Lecturer of
Geography, Faculty of Social
Sciences & Humanities
National University of Malaysia

INNOVATIONS IN SPACE TECHNOLOGIES

Focus Areas:

- › Space policies impacting technology uptake
- › Innovations in upstream and downstream technologies
- › Emerging technology applications
- › Initiatives to foster technology use

In Collaboration With



DR NOORDIN BIN AHMAD

Director General
ANGKASA
Malaysia



PROF TAKAHASHI YUKIHIRO

Director, Space Mission
Center, University of
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DR RASHID SHARIFF

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Director – Bangkok office,
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Executive Secretary, Asia
Pacific Regional Space
Agency Forum



DR. DOAN MINH CHUNG

Director
Space Technology Institute
Vietnam

INNOVATIVE GOVERNANCE FOR SOCIAL CHANGE



SR DR. ZAINAL A. MAJEED

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Project Director MERS 999
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Principal Geospatial
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Administrative Officer
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TECHNOLOGY TRACK

FARO

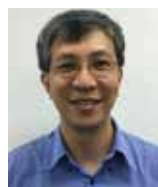
EMPOWERING USER WITH FARO 3D LASER SCANNING TECHNOLOGIES

For quick and precise point cloud data for 3D Documentation and 3D images of complex environments and geometries used by various industries such as Architecture-Engineering-Construction (AEC), BIM, Forestry, Heritage Preservation, Shipping, Mining/Tunnels, Reverse Engineering, Forensics, and even Movie and Gaming. Learn about FARO's application solutions from 3D System Geomagic software and FARO Kubit Pointsense products.



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SWY CHA

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GEoIntelligence

Asia Pacific Forum

18 OCT, 2016

Asia Pacific accounts for 30 percent of the earth's landmass and is home to nearly 60 percent of the world's population. The continent is the fastest growing economic region globally and the largest continental economy by GDP PPP. A prerequisite for economic sustainability is comprehensive security, to include food, water, energy and the ability to defend its sea, air and land assets. In today's digital world, lack of correct information at the right time can no longer be an excuse for taking a wrong decision. In such a scenario, geospatial information emerges as an extremely potent tool for defence and internal security. GeoIntelligence Asia Pacific, launched in 2015 to a hugely successful response, showcases the power of geospatial intelligence in safeguarding the territories and people for nations in Asia Pacific. With the theme "Geospatial – Force Multiplier for Modern Warfare", the conference will showcase how the use of geospatial technologies enhances manifold the defence and internal security capability of a nation, significantly increasing the combat potential of forces and enhancing the probability of successful mission accomplishment.



GEOSPATIAL BENEFITS

- Competitive advantage from insights and improved productivity of core assets
- First responder support to humanitarian operations
- Ability to map human movements, across time, space and terrain for tactical planning
- A powerful use of civic planning, humanitarian missions, industrial surveillance, precision war, conflict resolution, homeland security
- Logistics support for military operations, disaster response, civic emergencies, and so on
- Use of advanced sensor technology and multiple types of geospatial data to help visualise events
- Intelligence applied to a map of terrorist hideouts



LT GEN AKS CHANDELE,
PVSM, AVSM (RETD)

President – Defence
Internal Security & Public Safety,
Geospatial Media & Communications
India



BRIG. GENERAL SR DR.
MOHD. ZAMBRI BIN
MOHAMAD RABAB

Divisional Director, Defence Geo-
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COMMANDER
KAMARUDDIN RMN

Head - Metoc Section
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EXHIBITION

The exhibition at Geosmart Asia is the largest exhibition of geospatial technology in Asia-Pacific Region, bringing innovations in geospatial technologies and applications. It has been consistently attracting the leaders of geospatial technology presenting their cutting-

edge technology solutions; government departments showcasing their geospatial acumen and innovations to the geospatial community, as well as academia with the much required talent base for the users and industry.

Benefits for Exhibitors	Benefits for end-users
Enhance visibility	Discover the various applications of geospatial technology
Develop your business	Get hands-on exposure to the latest, cutting-edge technologies
Showcase your initiatives	Have your queries answered by technology experts
Reach out and capture brand new customers	Maximise your technology investments
Explain your offerings in detail	Experience diverse geospatial technology solutions under one roof
Understand customer requirements	Learn about future trends
Gain perspectives on new business directions	Keep yourself up-to-date with fast changing technologies



REGISTRATION

Category	Malaysian (in RM)	Overseas (in USD)
Government / Private	1000	300
Students	500	150

For Registration riders and online form visit www.geosmartasia.org

*Plus 6% government tax

CPD POINTS APPROVED!

GeoSmart Asia is CPD approved! Land Surveyor Board of Peninsular Malaysia (LJT) approves 6 CPD points to all licensed land surveyors

CONTACT

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Papers	Deepali Roy	papers@geosmartasia.org	60-123962621
Exhibition & Sponsorship	Wasim Akhtar	exhibition@geosmartasia.org	60-129157533
Registration	Mohit Saxena	registration@geosmartasia.org	91-9711724717

TENTATIVE PROGRAMME SCHEDULE*

Monday, 17 October 2016

Time	Main Hall
0900 - 1000 hrs	Opening Session & Asia Geospatial Excellence Awards
1000 - 1030 hrs	Networking Tea/Coffee Break
1030 - 1230 hrs	Plenary Session: PPP Driving National Geospatial Platform for SDGs
1230 - 1330 hrs	Networking Lunch
1330 - 1530 hrs	Plenary Session: Innovation in National Development Projects
1530 - 1630 hrs	Exhibition Inauguration and Networking Tea/Coffee
1630 - 1830 hrs	APAC NMA-Industry Exchange Forum

Tuesday, 18 October 2016

Time	Hall 1	Hall 2	Hall 3	Hall 4	Hall 5	Hall 6	Exhibition Area
0930 - 1100 hrs	Smart Cities	Location Analytics Driving Business Intelligence	Agriculture & Plantation	Surveyors' Workshop	GeoIntelligence Asia Pacific	FARO Technology Track	Exhibition Visit from 1000 – 1800 hrs
1100 - 1230 hrs	Networking Tea/Coffee Break and Visit to Exhibition						
1230 - 1330 hrs	Networking Lunch						
1330 - 1500 hrs	Smart Cities	Location Analytics Driving Business Intelligence	Agriculture & Plantation	Surveyors' Workshop	GeoIntelligence Asia Pacific	Innovations in Space Technologies	
1500 - 1600 hrs	Networking Tea/Coffee Break and Visit to Exhibition						
1600 - 1730 hrs	Smart Cities	Location Analytics Driving Business Intelligence	Agriculture & Plantation	Surveyors' Workshop	GeoIntelligence Asia Pacific	Innovations in Space Technologies	

Wednesday, 19 October 2016

Time	Hall 1	Hall 2	Hall 3	Hall 4	Hall 5	Exhibition Area
0930 - 1100 hrs	Workshop on Space Applications in Smart Cities by ANGKASA	Smart Networks and Utilities	Disaster Management	Youth Forum	Innovative Governance for Social Change	Exhibition Visit from 1000 – 1600 hrs
1100 - 1230 hrs	Networking Tea/Coffee Break and Visit to Exhibition					
1230 - 1330 hrs	Networking Lunch					
1330 - 1500 hrs	GeoBIM	Smart Networks and Utilities	Disaster Management	Youth Forum	Innovative Governance for Social Change	
1500 - 1600 hrs	Networking Tea/Coffee Break and Visit to Exhibition					
1600 - 1730 hrs	GeoBIM	Smart Networks and Utilities	Disaster Management	Youth Forum		

*Refer to website for updates

GEOSMART ASIA 2016 SECRETARIAT

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GEOSMART ASIA 2016 VENUE

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