

# INAUGURAL SESSION

10 FEBRUARY, 2015, HICC, HYDERABAD

INAUGURAL SESSION



**0930-0940 hrs**

## INTRODUCTORY REMARKS

**Sanjay Kumar**

Chief Executive Officer, Geospatial Media & Communications

---



**0940-0955 hrs**

## GUEST ADDRESS

**Dr Shailesh Nayak**

Secretary, Ministry of Earth Sciences

---



**0955-1015 hrs**

## KEYNOTE ADDRESS

**K. Venkataramanan**

Chief Executive Officer & Managing Director, Larsen & Toubro

---



**1015-1030 hrs**

## SPECIAL ADDRESS

**R S Sharma**

Secretary, Department of Electronics & Information Technology

---



**1030-1045 hrs**

## GUEST ADDRESS

**Chris Gibson**

Vice President, Trimble

---



**1045-1100 hrs**

## GUEST ADDRESS

**K. K. Singh**

Chairman & Chief Executive Officer, Rolta India

---

**1100-1115 hrs**

## GEOSPATIAL EXCELLENCE AWARDS CEREMONY

---



**1115-1130 hrs**

## INAUGURAL ADDRESS

**N. Chandrababu Naidu**

Hon'ble Chief Minister, Andhra Pradesh



## DR SHAILESH NAYAK

Secretary, Ministry of Earth Sciences

Dr. Shailesh Nayak is the Chair, Earth System Science Organization and Secretary to the Government of India for Ministry of Earth Sciences, since August 2008. He has been providing leadership for the programmes related to science of climate change, weather services, polar science, ocean science and modeling, ocean survey, resources, and technology. He chaired an expert group and conceptualized to establish National GIS in the country. Dr. Nayak is recipient of IGU - Hari Narain Lifetime Achievement Award in Geosciences-2013, the ISCA Vikram Sarabhai Memorial Award 2012, the Bhaskara Award for 2009, the Indian National Remote Sensing Award for 1994 by the Indian Society of Remote Sensing, Dehradun, and the National Mineral Award for the year 2005. Dr. Nayak has published about 100 papers in International and National journals and atlases.

---



## K. VENKATARAMANAN

Chief Executive Officer & Managing Director, Larsen & Toubro

K. Venkataramanan, a graduate in Chemical Engineering from IIT Delhi, and a Distinguished Alumni Awardee of IIT Delhi, joined L&T from the campus and was elevated to the Board of Directors of the Company in May, 1999, and appointed as Chief Executive Officer and Managing Director in April 2012. Venkataramanan is credited with helping in the transformation of L&T from a fabrication-driven EPC contractor to a technology led player. He also laid the foundations for project engineering & execution as well as conceptualized and designed the water front load-out facility at Hazira (India) for large offshore platforms. Venkataramanan implemented Real Time Strategic Change (RTSC) processes in the Company for high performance team building. He is the first Asian to be appointed Chairman of the Board of Directors of the 'Engineering & Construction Risk Institute, Inc.', USA for a two year term ending in May 2010. He is an Honorary Fellow of the Institute of Chemical Engineers (IChemE), UK – the second Indian to receive this recognition from the world's most reputed body in chemical engineering space.



## RS SHARMA, SECRETARY

Department of Electronics and Information Technology  
Ministry of Communications and Information Technology

Prior to his current assignment, RS Sharma has worked as Chief Secretary to the State Government of Jharkhand. His other assignments include Director General & Mission Director of the Unique Identification Authority of India (UIDAI) where he was responsible for overall implementation of this ambitious and challenging project undertaken by the Government of India for providing Unique Identification to all its Residents. Mr. Sharma has held important positions both in the Government of India and State Governments in the past and has been deeply involved in the administrative reforms and leveraging IT to simplify the administrative processes. He has been responsible for implementing a number of Projects relating to ICT Infrastructure, Process Re-engineering and Service Delivery in Public Private Partnership mode.



## CHRIS GIBSON

Vice President, Trimble, US

Christopher W. Gibson currently serves as vice president for Trimble's Survey, Geospatial, Geographic Information System (GIS), Infrastructure, Rail, Land Administration and Environmental Solutions businesses. Gibson joined Trimble in 1998 as European finance and operations director. In 2009, he was appointed to serve as vice president responsible for Trimble's Survey Division, and in December 2010, those responsibilities were expanded to include oversight of geographic regions and divisions, including Building Construction, Construction Tools, and the Hilti joint venture. From 2008 to 2009, Gibson served as the general manager for the Survey Division, and from 2005 to 2008, he was general manager for the Global Services Division. Prior to Trimble, Gibson's business experience includes a number of financial management roles with Tandem Computers, and financial analyst roles with Unilever subsidiaries.



## **K K SINGH**

Chairman & CEO, Rolta India

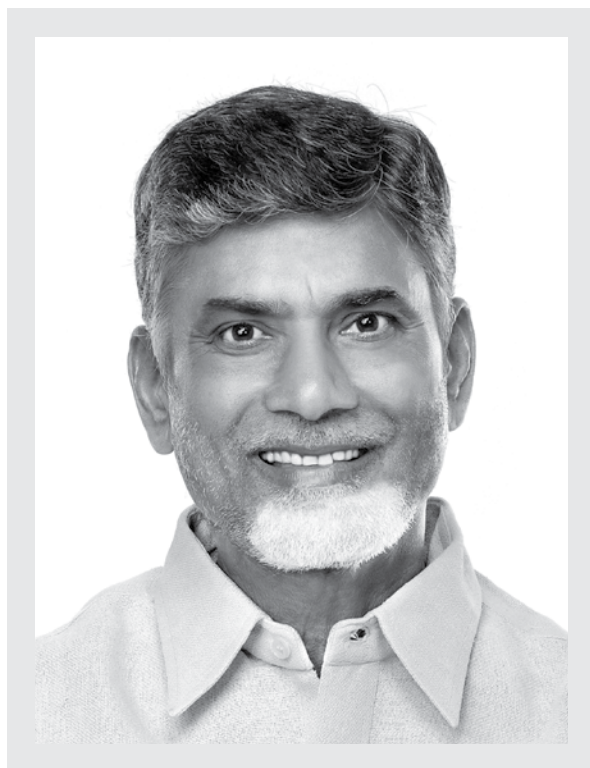
K K Singh is the founder Chairman of the Rolta group of companies. He is a first-generation entrepreneur and promoted the Rolta India in early 1980's. He is recognized as a pioneer in the CAD/CAM/GIS field in India and has over 40 years of experience in all aspects of corporate management including finance, technology and international business. He is a Mechanical Engineer with a Master's in Business Administration. His progressive outlook has enabled Rolta to be recognized globally as an innovative provider of cutting-edge solutions built around Rolta's own IP. Mr. Singh is the Honorary Consul-General of Ukraine. He is a National Executive Committee member of FICCI, and Governing Council of Indo French Chamber of Commerce & Industry. He is a member of the National GIS Advisory Board, National Committee of Government of India's Spatial Data Infrastructure and Board of Governors of NITIE Mumbai, Board of Governors of Indian Institute of Information Technology West Bengal, Board of Governors of Indian Institute of Information Technology Kerala. He is the Honorary Chairman of the "Association of Geospatial Industries". Mr. Singh has been conferred with Geospatial World Leadership Award by the Honorable 11th President of India, Dr. APJ Abdul Kalam, at Geospatial World Forum 2012.

February 10, 2015

0930-1130 hrs

Hall 4

# INAUGURAL ADDRESS



**Shri N Chandrababu Naidu**

Hon'ble Chief Minister  
Government of Andhra Pradesh

# Plenary Session 1: Commoditisation of Technology

February 10, 2015

1330-1500 hrs

Hall 4



## **BHUPINDER SINGH**

Senior Vice President, Bentley Systems, US

Bhupinder joined Bentley in 1994 and is the Senior Vice President of Bentley Software. His team is responsible for the strategic direction, development and delivery of Bentley's industry leading software solutions for sustaining infrastructure. His prior roles at the company include managing director of sales for Bentley South Asia and senior vice president of the Platform Products Group. Prior to joining Bentley, Bhupinder held various software engineering positions at Montgomery Watson Hazra, Bell Labs and Intergraph Corporation. Bhupinder holds master's degrees in Computer Science from Rutgers University, Structural Engineering from Vanderbilt University, and a bachelor's degree in civil engineering from IIT Delhi. He also has a certificate in Management from the Wharton School of Business at the University of Pennsylvania.

---



## **BERT TURNER**

Senior Vice President, Sales & Marketing, DigitalGlobe

Bert Turner joined DigitalGlobe in June 2012 and currently serves as Senior Vice President, Global Sales & Marketing. Prior to DigitalGlobe, Turner served as Vice President, Strategy & Analysis and Supply Chain at IHS, a global information company. At IHS, Turner led sales and business development for the Americas Strategy & Analysis sales teams. Prior to IHS, Turner was the senior business development leader for SAT Corporation, a field-force automation software company. Turner served as EVP and later President of iPath Solutions, a Houston-based e-business consulting firm, and served as VP of Global Shop Solutions, an ERP software firm. Turner holds a Bachelor of Business Administration degree from Baylor University with a double major in management information systems and quantitative business analysis.

# Plenary Session 1: Commoditisation of Technology

February 10, 2015

1330-1500 hrs

Hall 4



## QUAH BENG CHIEH

Head of Marketing -Asia Pacific, FARO Technologies

Quah Beng Chieh is Head of Marketing at FARO Asia Pacific (headquartered in Singapore). He spearheads the marketing function across Asia Pacific (including regional offices in China, India Japan and South Korea), with responsibilities in marketing, communications, public relations, market intelligence, product marketing and market development. Quah has an extensive background in marketing and branding high technology products. Prior to joining FARO, he held various marketing management positions in product marketing, regional marketing, business development, and channel marketing with Hypertherm Asia, Creative Technology, Sony Marketing Asia-Pacific, and Hexon Technology.

---

# Plenary Session 2: Empowering Government & Enterprises

February 10, 2015

1600-1730 hrs

Hall 4



## R S PAWAR

Chairman and Managing Director  
NIIT Technologies

Rajendra S Pawar is the Chairman and Co-Founder of NIIT Group that encompasses NIIT Limited, a leading Global Talent Development Corporation, and NIIT Technologies Limited, the software and services arm. As a co-founder of the NIIT Group, Pawar has not only revolutionized the IT training industry, but is also recognized as a global technology thought leader. As the Chairman of India's IT industry body- National Association of Software and Service Companies (NASSCOM), Pawar has led several ICT industry initiatives, giving voice to the sector's aspirations and goals. Acknowledging his contribution to the IT industry in India, Pawar has been awarded the country's prestigious civilian honor, Padma Bhushan by the President of India in 2011. Pawar is a member of the Prime Minister's National Council on Skill Development and has served the Prime Minister's National Task Force (1998) commissioned to develop India into an IT superpower.



## J SATYANARAYAN

IT Advisor-Government of Andhra Pradesh

J Satyanarayan retired from the Indian Administrative Service, the permanent civil service of India, after 37 years of service. He is a pioneer in the design and implementation of e-Government programs and projects in India. He has been associated with the design and implementation of over 20 major e-government projects at the state and national levels. He is best known as the founder of eSeva, a one-stop-shop for citizen services, in the State of Andhra Pradesh, India. He has been instrumental in the design of a number of policies in the ICT sector at the national level in India. These include, the National ICT Policy; National Electronics Policy; National Cyber Security Policy. In this current position as Advisor to the Government of Andhra Pradesh, since June 2014, Satyanarayan has guided the design and notification of Blueprint of IT, Electronics and e-Governance; AP IT Policy 2014; AP Electronics Policy 2014; AP Innovation and Startup Policy 2014 and AP State Enterprise Architecture for e-Governance.



# Plenary Session 2: Empowering Government & Enterprises

February 10, 2015

1600-1730 hrs

Hall 4



## V SOMASUNDARAM

Member (Air Navigation Services ), Airports Authority of India

V. Somasundaram, the Board Member – Air Navigation Services in Airports Authority of India, is spearheading AAI's initiatives in modernizing CNS/ATM infrastructure in line with ICAO plans for enhancing Safety, Efficiency and capacity of Airports and Airspace. Airports Authority of India has made rapid strides in the field of CNS/ATM under the stewardship of Somasundaram particularly with respect to development and implementation of satellite based navigation, total surveillance coverage, data link communication, GBAS, PBN implementation, ADS-B implementation to name a few. An extra-ordinary moment of achievement has just dawned in the annals of air navigation services as Somasundaram, Member (ANS), has won the prestigious Bharat Ratna JRD Tata Award instituted by Aeronautical Society of India for the year 2013 for his outstanding contribution in the field of civil aviation in India among aeronautic professionals.

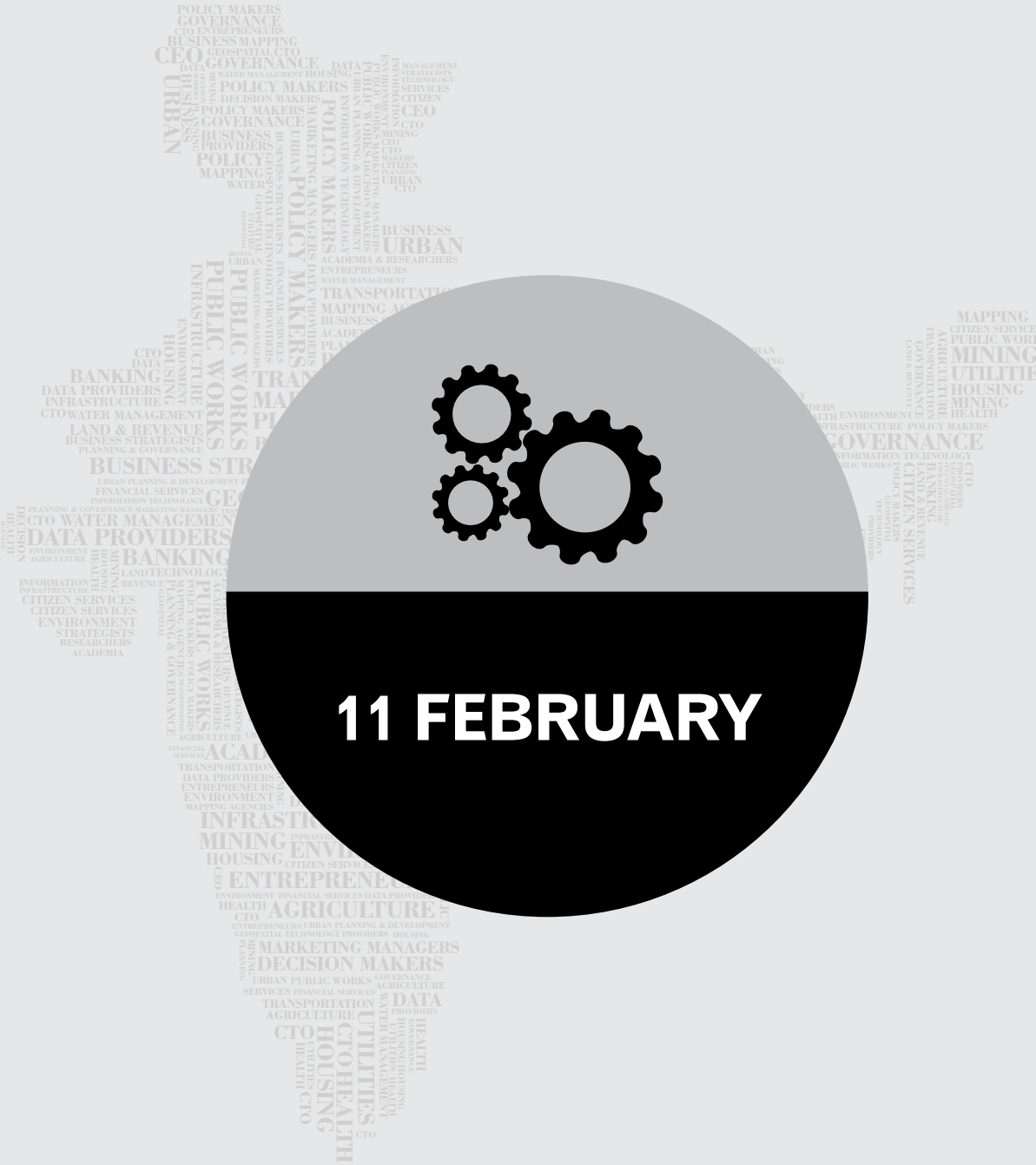


## DR P G DIWAKAR

Dy Director, Remote Sensing Applications Area  
National Remote Sensing Centre

Dr P G Diwakar, Deputy Director, RSAA, NRSC is a Doctorate in Participatory Geomatics from National Institute of Technology (NIT), Suratkal. He has held the posts of Director, Earth Observation Systems, Member Secretary, Planning Committee – National Natural Resources Management System and Programme Director, Disaster Management Support Program in Indian Space Research Organisation, Bangalore. • As a Team Leader, played key roles in delivering many important applications solutions like Bhuvan Web Portal and IT tools for Sujala Watershed Development Programme. Dr. Diwakar is the recipient of many awards which include ISRO awards, national and international recognition for Innovative use of IT and geospatial technologies.





February 11, 2015

0930-1730 hrs

Hall G.03

0930-1100

## Chair & lead speaker

**Dr Anmol Kumar**, Director General, Forest Survey of India

## Speakers

**Ajit Pattnaik**, Project Director, Odisha Forestry Sector Development Project  
*Use of remote sensing as a tool for forest intervention impact assessment*

**Engr. Motaleb Hossain Sarker**, Director Ecology (Ecology, Forestry and Biodiversity) Division, Center for Environmental and Geographic Information Services (CEGIS), Bangladesh

**Shailesh Shankar**, Sales Engineering (Asia Pacific), DigitalGlobe  
*Use of very high resolution satellite imagery for forest monitoring mechanisms*

1330-1500

**Dr H C Mishra**, APCCF (IT), Andhra Pradesh Forest Department  
*Assessment of tree outside forests in Andhra Pradesh*

**Prakash Mathema**, Director General, Department of Forest Research and Survey, Nepal

**Dr Sandeep Tripathi**, CEO, Odisha Space Applications Centre

**G Rajshekar**, Scientist "SF", Forestry Division, National Remote Sensing Centre

1600-1730

**Vinod Kumar**, Director, Indira Gandhi National Forest Academy

**R K Srivastav CCF IT**, Karnataka Forest Department

**Dr SPS Kushwaha**, Head Forestry & Ecology Department, Indian Institute of Remote Sensing  
*Remote sensing and GIS in sustainable forest management*

**G R Pramod Kumar**, SRF, Dept of Environmental Science, Bangalore University  
*Assessment of encroachment and consequent anthropogenic impacts on forest of Hassan District using remote sensing & GIS*

# Integrated Water Resource Management

February 11, 2015

0930-1730

Hall G.04

0930-1100

## Chair

**Dr J R Sharma**, Chief General Manager, RCs  
National Remote Sensing Centre

## Speakers

**Dr M Prithviraj**, Executive Secretary, Karnataka State Council for  
Science and Technology

**Mohammad Monowar Hossain**, Executive Director, Institute of Water  
Modelling, Bangladesh

**D P Mathuria**, Director, Central Water Commission  
*Geospatial technology for integrated water resources development*

**Dr MB Joshi**, GM-Technical, Sardar Sarovar Narmada Nigam Ltd

1330-1500

**Dr Venkateshwara Rao**, Group Director, Water Resources Group  
National Remote Sensing Centre

**S K Sinha**, Scientist-D, Central Ground Water Board  
*Ground water governance - changing perspective*

**Abhineet Jain**, Regional Director - Sales Engineering, Asia Pacific region,  
DigitalGlobe  
*Remote Sensing for water resource management*

**Paritosh Singh Chauhan**, Consultant, IIC Technologies  
*Aquifer geometry for estimating the ground water resources*

1600-1730

**M K Srinivas**, Chief Engineer, National Water Development Agency  
*Application of Geospatial technology in Interlinking of rivers*

**Venu Gopal, Director**, AP Ground Water Dept

**M Rajathurai**, Bentley Systems  
*Smart Water utility: A Pragmatic approach to solve aspects of entire life cycle of a water utility in a modern context.*

**Jella Kiran**, Scientist, Telangana State Remote Sensing Applications Centre  
*GIS based Planning and Expansion of Drinking Water Distribution System*

**P Murugan**, Scientist/Engineer "SF", ISRO Satellite Centre  
*Water quality parameters estimation using hyperpectral satellite data*

# Emerging Applications & Trends

February 11, 2015

0930-1730 hrs

Hall G.05

0930-1100

## Chair

**Dr. Prithvish Nag**, Vice Chancellor, Mahatma Gandhi Kashi Vidhyapeeth

## Speakers

**Animesh Pandit**, Senior Group Manager, Rolta  
*Changing the paradigm of public safety management*

**Mahesh Kumar Soni**, Country Business Manager- Design, HP India

**Wg Cdr P K Mishra**, Indian Air Force  
*Indigenous aeronautical database and charts*

**Shahid Ahmed**, Director General of Police, Manipur Police Headquarters

**H Hemanth Kumar**, Fellow & Principal Investigator – NRDMS, Karnataka Council for Science & Technology

1330-1500

## Chair & lead speaker

**Dr P G Diwakar**, Dy Director, Remote Sensing Applications Area, National Remote Sensing Centre

## Speakers

**Kewal Shienmar**, Managing Director, Mapcode Foundation  
*Mapcode - A Short Address for Any Location on Earth*

**D K Prabhuraj**, Director, Karnataka State Remote Sensing Applications Centre  
*Karnataka GIS Portal, a step towards G-revolution*

**Vikram Jasrotia**, Business Development Manager, Elcome Technologies Pvt. Ltd  
*Network RTK using Master- Auxiliary Concept*

**Shailesh Shankar**, Sales Engineering (Asia Pacific), DigitalGlobe  
*Leveraging geospatial big data*

**Munish Malhotra**, Regional Manager- Trimble Infrastructure Solutions Division, India & SAARC  
*Continuous Operating Reference Station Network with Trimble VRS technology offers a new opportunity*

# Emerging Applications & Trends

1600-1730

## Chair & lead speaker

**N N Sinha**, Principal Secretary, Dept. of IT, Govt. Of Jharkhand

## Speakers

**Nirmalandu Kumar**, Director, Survey of India  
*From spatial data to geo-web Services- what next?*

**Prof Dr. V Balakista Reddy**, Professor of Law and Registrar, NALSAR  
University of Law  
*Remote sensing and geo-spatial data: emerging legal jargons*

**Piyush Kumar Shukla**, MTech, IIT Kanpur  
*Use of emerging technologies in hostile environments*

**Mohd Sajid Idrisi**, Conservation Biologist, Natural Heritage Division, Indian  
National Trust for Art and Cultural Heritage  
*Free and open source GIS, mobile GIS, and data collection tools for conservation biologists*

**Aravind AS**, Scientist, National Remote Sensing Centre  
*3D Modelling and visualisation of City Objects using GML*

# Youth Forum

11 February, 2015

0930-1800 hrs

Hall G.06

09:30-11:00

## Orientation Session

**Moderator: Dr Shahnawaz**, Director (S & SE Asia), UNIGIS International University of Salzburg  
Department for Geoinformatics - Z\_GIS Austria

**Maj Gen Dr R Siva Kumar**, Pro Vice Chancellor (R&D), GITAM University

**Youth Geospatial Professional - Sumantra Naik**, General Manager, Reliance ADAG Group

**HR Talk:** Intergraph

**Dr. Hrishikesh Samant**, Associate Professor and Head Department of Geology,  
St. Xavier's College

## 11:30-13:00 - G'Appz & Models: Innovative Geospatial Apps

**Ganesan**, Senior Business Analyst, Geokno

**Alex**, Mtech Scholar, BIT Mesra

**Mahendran**, Student RCAT

**Gurminder Bharani**, Student, Symbiosis Institute of Geoinformatics

**Er. Alekhya Datta**, Research Associate, The Energy and Resources Institute

**Adrish Kumar Mullick**, Research Scholar, IIT Roorkee

## 14:30-16:00 - G 'Projects: Research project Presentations

**Akshitha**, GIS analyst DSM Soft,

**Mrinalni**, M tech Scholar Madras University

**Bharathi G P**, M Tech Scholar, Department of Geography, BDU

**Siddharth Chaudhary**, M.Tech Student, Indian School of Mines

**G.Sriram**, Student, Anna University

**Logeswari**, Student, Centre For Water Resources

## 16:30-17:30 - Research Papers

**Kiranjeet Kaur**, Student, Punjab Agricultural University

**Shashidhar.K**, Student, Jawaharlal Nehru Technological University

**K P Naveen Kumar**, Student, RCAT

## 17:30-18:00

Interaction and Closing Remarks

**PARTNER**





# Bhuvan User Workshop

February 11, 2015

0930-1130 hrs

Hall 1.03

The User Workshop on Bhuvan is a unique opportunity for participants to familiarize themselves with entire functionalities and utilities of Bhuvan, the online Geoportal launched in 2009. It has since then, it has diversified into versatile viewing platform with capabilities such as providing 2D/2.5D and 3D photo-realistic textured models with a unique viewing/animation experience; full-fledged interactive thematic services and free data downloads from NRSC Open Earth Observation Data Archive (NOEDA). More than 20,000 unique visitors logon to Bhuvan every month so far about 2,98,000 free products are downloaded by users across the globe.

The workshop aims to increase awareness on Bhuvan, share services and collaborative applications, initiate government and other organizations to collaborate with Bhuvan and attract Public/Academicians to participate in crowd sourcing. The workshop is planned for novices as well as experienced users. The Workshop comprises of an overview of all the functionalities on Bhuvan like visualization, data download, thematic services, satellite and map base sharing from Bhuvan for user application development, crowd sourcing, API and will also showcase applications carried out for ministries and state government departments and disaster support services on Bhuvan, etc.

## Speakers

**Dr Vinod Bothale**, Group Director, Geoportal and WebGIS Services, National Remote Sensing Centre

**M Arul Raj, Manager**, Bhuvan Web Services Development, National Remote Sensing Centre

**Rajkumar Shrivastava**, IFS, Dept of Forest. Govt. Of Karnataka

# Geobusiness & Location Intelligence

February 11, 2015

0930-1100 hrs

Hall G.01

## Chair & Lead Speaker

### **Vinod Bothale**

Group Director, Geoportal and WebGIS Services  
National Remote Sensing Centre

## Speakers

**Pramod Kumar Parida**, Scientist, Odisha Space Applications Centre  
*Generation of Web-based power Atlas for Cuttack Circle, Odisha*

**Siva Ravada**, Director of Development - Spatial Technologies, Oracle

**Dwaipayan Dighal**, Senior Regional Manager, Hexagon Geospatial  
*Smarter Decision by simple citizen action*

**Rajesh Paul**, Director, Excel Geomatics  
*Geomarketing for product sales and customer services*

**Marutish Varanasi**, Consultant, TriCAD  
*Data visualization of leading cities in India*

February 11, 2015

1330-1730

Hall 1.03

## Chair

**Dr Bhoop Singh**, Head – NRDMS & NSDI  
Ministry of Science & Technology

## Speakers

**Dr P S Roy**, Geospatial Chair Professor, Center for Earth & Space Sciences, University of Hyderabad  
*Land use and land cover change research for global change science*

**K S Rajan**, Head - Lab for Spatial Informatics, Associate Professor, International Institute of Information Technology

**Dr V. Balaji**, Director, OMCAR Foundation  
*GIS mapping of submerged aquatic vegetations, associated fish assemblage and sediment distribution in Northern Palk Bay, Thanjavur District, Tamil Nadu*

**Dr R Sivakumar**, Co-ordinator- Earthquake Research Cell & Associate Professor  
Department of Civil Engineering, Faculty of Engineering & Technology, SRM University  
*Hydrogeomorphological studies of Bellary Taluk, Karnataka through integrated geological and geospatial approach*

1600-1730

**Dr Valli Manickam**, Chairperson, Environment Area, Administrative Staff College of India  
*Open government data initiatives - Opportunities and challenges*

**Prof J S Rawat**, Director, Centre of Excellence for NRDMS in Uttarakhand; Professor & Campus Head in Geography, Kumaun University  
*Toward development of an Uttarakhand geoport for decentralised governance in Uttarakhand*

**Prof Gopal M. Naik**, Professor & Chairman Board of Studies, Department of Civil Engineering & Nodal Officer (Academic), TEQIP-II, UCE (A), & Joint Director, Directorate of Academic Audit Cell, Osmania University  
*Toward development of an Uttarakhand geoport for decentralised governance in Uttarakhand*

**Dr B. Naveenchandra**, AGM (GIS), Information Technology Project Circle, Bharat Sanchar Nigam Ltd  
*Application of geoinformatics & electrical resistivity survey for the study of disaster impact on earth resources due to lightning*

**Dr B C Kusre**, Associate Professor (Irrigation and Drainage Engg), College of Agricultural Engg & PHT, Central Agricultural University, Ranipool, East Sikkim

# Remote Sensing & Photogrammetry

February 11, 2015

1600-1800 hrs

Hall G.03

## Chairperson

**Dr R Nagaraja**, Director, NRSC Data Centre

## Keynote Speaker

**Dr Senthil Kumar**, Group Director, Geophysical and Special Products Group  
National Remote Sensing Centre

## Speakers

**Dr C D Murthy**, Sr. Div. Director, Rolta  
*Emerging geospatial trends in smart city modelling*

**Dr Sultan Singh**, Senior Scientist, Haryana Space Application Center  
*Establishment of Geodetic Control Network for Land Records in Haryana- A Case Study*

**Pankaj Gupta**, Enterprise Geospatial Manager, Middle East, Africa and SAARC  
region, Trimble  
*Trimble Photogrammetry Suite including land and aerial mobile mapping solution*

**P Prakash & Aswini Kumar Das**, Asso Project Managers, Telangana State Remote  
Sensing Applications Centre  
*Development of open source Web GIS based geospatial application for rural water supply &  
sanitation*

**Dr N Prabhakaran**, Professor, Pandian Saraswathi Yadav Engineering College  
*Landslide hazard zonation mapping using remote sensing and GIS in Kodaikanal taluk, Dindigul  
district*

Trimble

0930-1100 hrs

Hall G.02



### **Trimble - Innovating sensors and software for Geospatial Industry**

By integrating sensors, field applications, real-time communications, field and back-of-office processing, modeling, and analytics, Trimble Geospatial solutions facilitate a high quality, productive workflow and data exchange to drive efficiency, productivity, safety and value in organizations of all sizes. The result is rich accurate data that can be transformed into the intelligence required to make informed decisions. Trimble has been a innovators in the Geospatial hardware and Software solution with integrated workflow for different applications like Cadastral, Mining, Watershed, Utilities etc.

**Presenter: Ashwani Rawat,**

Solution Manager - Geospatial Division, SAARC Region, Trimble



### **Rolta Safety and Security Solutions for Smart & Secure Cities**

This session will give an overview on Rolta Safety and Security Solutions for Smart Cities, which will cover wide spectrum of Rolta Homeland Security Solutions with Sa-fecity framework. The primary focus of the presentation is to showcase Rolta IPR which enables automation, intelligence and interoperability to achieve coordinated response by multi-agencies to manage incidences such as attack on Critical

Infrastructure, Fire Emergency including situations like 26/11 (Taj, Mumbai incident).

**Presenter:** Dr. C. R. Bannur, Sr. Div. Director, EGDS, Rolta

### **Enterprise GIS for Smart Cities**

The session will cover how Enterprise GIS solutions when deployed across domains can address a wide range of business problems encountered. The seminar will highlight how Rolta Platform focuses on planning, building, and managing the next-generation solutions – featuring extremely innovative Information interoperability, IT / OT Integrations, ERP, GIS, Mobility, Social, Cloud, Big Data Analytics and Security technologies for driving Business Excellence.

**Presenter:** Saurabh Bagaria, Div. Director, GPTS, Rolta

### **Emerging Trends & Technologies for Smart Cities**

The session will underscore on emerging trends & technologies for Smart Cities and how the use of GIS can act as a crucial ingredient in strengthening the four pillars of the Smart City namely Physical Infrastructure, Social Infrastructure, Institutional Infrastructure and Economic Infrastructure.

**Presenter:** Milin D'Silva, Group Mgr., GIS Service, Rolta



## **Shoreline monitoring using laser scanner**

Shoreline erosion / deposition plays major role in the coastal development by coastal processes. It also adds positive / negative impact due to human intervention. For sustainable shoreline, monitoring or mapping the shoreline in periodically will helpful to protect the damage. Coast monitoring in a larger area with traditional surveying method would be time consuming.

National Institute of Ocean Technology was involved in study of an eroding beach – reasons for such loss and engineering intervention to arrest the erosion. The focus of the present study was selected in RK beach, Vishakhapatnam. This beach has evidence of coastal erosion and shoreline changes. The scanner survey was carried out before the cyclone (HudHud) as baseline data. Post survey also was taken in the same area. The presentation will carry the features of data sets captured by Faro 3D laser scanner and changes in the shoreline due to cyclone.

**Presenter:** V Suseetharan, Scientist-D, CEE Group  
National Institute of Ocean Technology (NIOT)

## **Utilization of Laser scanning technology for 3D modeling of world heritage monuments of Hampi, Karnataka state**

Digital heritage offers several advantages to promote historical research, research on architecture, culture, virtual tourism, restoration and reconstruction of monuments by the custodians of the heritage site. This paper highlights the importance of the project undertaken as part of Indian Digital Heritage(IDH)-Hampi programme initiated by Department of Science and Technology, Government of India, which aims to generate a high resolution 3D Model of world heritage monuments through Laser scanning and digital Geo-spatial database generation using Remote sensing and GIS. This initiative is aimed at capturing the geometric surface of the monuments for rendering 3D modelling using advanced technologies like Laser scanning, LiDAR, Remote sensing and Geospatial technologies to support the various research groups to learn, analyse and reconstruct the history of heritage sites through different periods of time. Laser scanning provides highly accurate 3D images by sweeping a laser beam over a scene or object. It is able to capture millions of 3D points of surface geometry enabling to experience and work directly with real world conditions by viewing and manipulating rich point-clouds in computer-aided design software. FARO FOCUS 3D X130 Laser scanner has been used to render 3D models of monuments in world heritage site at Hampi.

**Presenter:** Vijay U T, Karnataka State Council for Science & Technology Indian Institute of Science







**12 FEBRUARY**

# Climate Change, Weather Services & Hazard Management

February 12, 2015

0930-1600

Hall G.01

0930-1100

## Chairperson and Lead Speaker

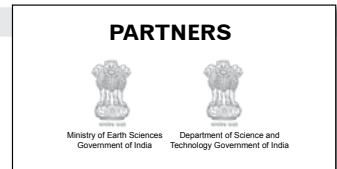
**Dr Akhilesh Gupta**, Adviser  
Department of Science & Technology

## Speakers

**Dr Graeme Kernich**, Deputy CEO, Cooperative Research Centre for Spatial Information, Australia  
*Coastal digital elevation modelling and inundation risk assessment in Australia and the Pacific Islands*

**A J Kurian**, Joint Secretary & HoD National Authority Chemical Weapons Convention (NACWC), Cabinet Secretariat, Government of India

**Dr Hussein O. Farah**, Director General, Regional Centre for Mapping of Resources for Development (RCMRD), Kenya  
*RCMRD's programmes in disaster risk reduction: Achievements and opportunities for future collaboration*



1200-1330

**Dr S Satapathy**, Scientist F, Climate Change Programme, Ministry of Environment & Forests

**Dr C S Jha**, Group Director, Forest & Ecology Group, National Remote Sensing Centre

**Dr Kausalya Ramachandran**, Principal Scientist & ICAR National Fellow, Central Research Institute for Dryland Agriculture  
*Climate Change Hazard to Rainfed Agriculture in India*

**Birendra Bajracharya**, Regional Programme Manager Mountain Environment Regional Information System (MENRIS) Technical Coordinator - SERVIR Himalaya International Centre for Integrated Mountain Development, Nepal

1430-1600

**Milind Mujumdar**, Scientist – D, Centre for Climate Change Research, Indian Institute of Tropical Meteorology  
*The high resolution regional Climate projections for south Asia*

**V Suseentharan**, Scientist – D, Coastal Environmental Engineering Group, National Institute of Ocean Technology, Ministry of Earth Sciences  
*Climate Change & Environment*

**Dr Vaani**, Assistant Professor (Senior), Centre for Disaster Mitigation and Management, VIT University, Vellore  
*Development of self education knowledge product on Basics of geomatics and its application in disaster management and climate change*

## Chairperson & Lead Speaker

**P Srinivasulu**, Group Head, Aerial Services and Digital Mapping Area, National Remote Sensing Centre

## Speakers

**Sunil Krishnan**, Manager Geospatial, Trimble Navigation India  
*Speed and flexibility in 3D scanning applications*

**Anil N P**, Distribution Manager, FARO India  
*FARO Workflow in 3D Documentation*

**Adesh Dhar**, Product Manager, Elcome Technologies Pvt. Ltd  
*Benefits of high-definition surveying*

**Cdr Sanjeev Sharma**, IN (Retd), Head Hydrography, IIC Technologies  
*Lidar bathymetry for coastal zone management*

**David Jonas**, Business Development Manager – Asia, AAM Pty Limited  
*Capturing and Deploying Challenging Aerial and Mobile LiDAR Data in Asia*

**Michael Mayer**, Assistant Director International Sales, RIEGL Laser Measurement Systems GmbH, Austria  
*UAS-based laser scanning: case study of typical applications*

**Hannu Korpela**, Sales Manager, Terrasolid Ltd, Finland  
*LiDAR in city modelling - Different approaches and deliveries*

February 12, 2015

1200-1600

Hall G.02

1200-1330

## Session chair & speaker:

**Mark Noort**, Editor- Geospatial World  
*The connected farm*



## Speakers

**Dr MVR Sessa Sai**, Group Director, ASAG, National Remote Sensing Centre

**Dr R S Hooda**, Chief Scientist, Haryana Remote Sensing Centre  
*Applications of Geo-informatics in Agricultural Resources Management in Haryana*

**Dr Brijendra Pateriya**, Director, Punjab Remote Sensing Centre

**Dr A Arunachalam**, Pr. Scientific Officer to Secretary (DARE) & DG (ICAR)  
*e-Governance vis-à-vis e-Agriculture”*

1430-1600

**Dr John Ahlrichs**, Vice President, International Sales, BlackBridge  
*A high resolution commercial imaging program for agricultural monitoring*

**Rakesh Kumar Kadian**, BD Manager Agriculture Division, Trimble Navigation  
*Precision farming technologies for farmers in SAARC region*

**Dr D Raji Reddy**, Director-Research, PJTSAU, Hyderabad  
*Monitoring and assessment of rainfall and crop conditions using geospatial technology*

**Geospatial Media & Communications -Report Presentation**

February 12, 2015

0930-1600

Hall G.03

0930-1100

## Keynote Speakers

**Surender Mohan B**, CMD, Neyveli Lignite Corporation

**Gopal Singh**, CMD, Central Coalfields Ltd



## Speakers

**B D Sharma**, Addl Surveyor General, Survey of India  
*Large scale digital topographic database for sustainable planning & scientific design of coal mining*

**B N Rao**, AVP - Lidar & Photogrammetry, ADCC Infocad  
*Lidar: A technological approach for mining exploration*

1200-1330

## Chair & Lead Speaker

**Dr Vishnu Chandra**, HOG-Mining, National Informatics Centre

## Speakers

**D U Vyas**, General Manager (Geo & Tech.), Gujarat Mineral Development Corporation  
*Usage of Geospatial Technology - A case study of GMDC*

**Rajneesh Kumar**, Chief Manager (Remote Sensing), Central Mine Planning & Design Institute Ltd  
*Geospatial technology for solving land acquisition problems in coal mining areas*

**Alok Porwal**, Prof – Centre of Studies in Resources Engineering, IIT Bombay  
*GIS-based mineral potential modelling*

**Dr DR Patel**, Dept of Geology & Mining, Chattisgarh

1430-1600

## Chair & Lead Speaker

**Dr Vinod Kumar**, Group Head, Geosciences Group, National Remote Sensing Centre

## Speakers

**Dr Ashutosh Roul**, Sr. Manager – Mines, National Aluminium Company Limited  
*Gps based truck dispatch system (TDS) in highly mechanized bauxite mines . a case study.*

**Rohtash Agarwal**, Technical Director, KK Geosystems  
*Mining Solutions with Faro Laser Scanner X Series, FARO*

**Dr Dheeraj Kumar**, Associate Professor, Indian School of Mines  
*Developments in geospatial enabled automated tools and techniques for improving safety and productivity in metal mines*

12 February, 2015

0930-1600

Hall G.04+G.05

## 0930-1100 hrs: Inaugural, Overview and Provision of GIS Assets

**P S Acharya**, Scientist G and CEO, NSDI, Department of Science & Technology  
*Overview of the present status of NSDI*

**R N Nanda**, NSDI/ Survey of India  
*Status of provision of GIS data assets of Survey of India*

**Sunil Kumar Bohra**, Geological Survey of India  
*Geological data assets of Geological Survey of India and the data content standards*

**Sunil Chandra**, Forest Survey of India, Dehradun  
*GIS data assets of Forest Survey of India and forest data content standards*

**Smriti Upadhyay**, Central Pollution Control Board, Delhi  
*An approach to re-engineering environmental management data and provision of data services*

## 1130-1330: Perspectives of end users of NSDI and State SDI services

**H.Hemanth Kumar**, Karnataka State Council for Science & Technology  
*Development of GIS applications for end users using OGC web services on Karnataka Geoportal*

**Dr Sandeep Tripathy**, Odisha Space Applications Centre  
*Data Sharing Policy in support of an SDI and a State GIS in Odisha*

**Prof N L Sarda**, Advanced Lab on GISE, IIT Bombay  
*Relevance of National Data Registry in the Development of GIS applications using NSDI Data Services*

**B P Aawasthi**, Chief Engineer (TMS), Northern Railway, Ministry of Railways  
*Use of standards-based spatial data and services in improving management of Indian Railways assets and passenger services*

**Representative, TCIL**

Use of NSDI Data Services in the delivery of Telecom Services

**Representative, ONGC**

*Utilisation of Spatial data services in the construction and maintenance of oil and gas pipeline network*

## 1430-1600: Industry Session/Panel Discussion



12 February, 2015

0930-1600

Hall G.06

## Moderator

**Dr. Shahnawaz**, Director (S & SE Asia), UNIGIS International  
University of Salzburg Department for Geoinformatics - Z\_GIS Austria

## 0930 – 1100-Framework Presentation by HR professionals and geospatial experts

**Dr. PS Roy**, Chair professor, Centre for Earth and Space Sciences, Hyderabad  
Young Geospatial Professional - **Devdatta Tengshe**, Technical Lead,  
Webonise Labs  
HR representative, Infotech

## 1200 –1330-Student Presentations

**V. Sakthi Kirthi**, Post Graduate Student, Centre For Water Resources  
**Gopi Padmanabhan**, Student, MSc in GISc, University of Madras, University of Salzburg  
**Natasa Chowdhury**, Student, Symbiosis Institute of Geoinformatics  
**M. Charu**, Student, Anna University  
**Prashant Persai**, MANIT

## 14:30-16:00-Panel-Scope of improvement

Interaction with Experts  
Results

PARTNER

