

**International Society of Photogrammetry and Remote Sensing (ISPRS) WG IV/1, IV/3  
and VIII/1 Joint Workshop on Geospatial Data Cyber Infrastructure & Real - time Services  
with special emphasis on Disaster Management**

**Dates: November 25 – 27, 2009; Venue: INCOIS, Hyderabad**

**Technical Programme**

**Day 1: November 25, 2009 FN: Session – 1 (Inaugural Session)**

|                       |   |  |
|-----------------------|---|--|
| <b>10 00 to 11 00</b> | <b>Inauguration</b>                               |  |
| 10 00 to 10 05        | Invocation  | Mr. Uday Bhaskar                           |
| 10 05 to 10 10        | Welcome Address & Presentation of Floral Bouquets | Dr. S S C Sheno, Director, INCOIS          |
| 10 10 to 10 15        | Lighting the Lamp                                 |  |
| 10 15 to 10 20        | Opening Remarks                                   | Mr. D.S. Jain, Chairman, ISRS, HC          |
| 10 20 to 10 30        | Keynote Address                                   | Dr. Shailesh Nayak, President, ISRS        |
| 10 30 to 10 35        | Inauguration of the Tsunami EWS Website           |  |
| 10 35 to 10 50        | Inaugural Address                                 | Mr. M. Shashidhar Reddy, Hon. Member, NDMA |
| 10 50 to 10 55        | Presentation of Mementoes to Chief Guests         | Dr. S S C Sheno, Director, INCOIS          |
| 10 55 to 11 00        | Vote of Thanks                                    |  |
| <b>1100 to 11 30</b>  | <b>High Tea</b>                                   |  |

**Day 1: November 25, 2009 FN: Session – 2 (Invited Talks)**

|                       |  |  |
|-----------------------|--|--|
| <b>11 30 to 13 00</b> | <b>Invited Talks</b>   | <b>Chair: Dr. Shailesh Nayak, MoES</b> |
| 11 30 to 11 50        | Endeavors to serve digital Geospatial data as a commonly offered cache of Topographic information  | Dr. M.P. Finn, USGS, USA               |
| 11 50 to 12 10        | Strategies for Early Warning for Management of Natural Disasters in India  | Dr. Tyagi, DG, IMD                     |
| 12 10 to 12 30        | Regional Cooperation on Disaster Management in South Asia - Challenges and Opportunities for Regional Early Warning System for Natural Disasters | Mr. Dhar Chakravarthy, ED, NIDM        |
| 12 30 to 12 50        | Geospatial Applications for Ocean Information and Advisory Services  | Dr S.S.C Sheno, Director, INCOIS       |
| 12 50 to 13 00        | Discussions  |  |
| <b>13 00 to 14 00</b> | <b>Lunch</b>   |  |

**Day 1: November 25, 2009 AN: Session – 3 (Technical Session)**

|                       |  |                                       |
|-----------------------|--|---------------------------------------|
| <b>14 00 to 17 00</b> | <b>Geospatial Data Applications for Disaster Management; Legal Issues &amp; Challenges; Maj. Gen. Nagarajan, SOI</b> |                                       |
| 14 00 to 14 20        | Geospatial web services for Disaster Management  | Anitha, ADRIN                         |
| 14 20 to 14 40        | Using geospatial data corporately for disaster management support  | Arif Cagdas Aydinoglu, Turkey         |
| 14 40 to 15 00        | Aerial Surveys for Disaster Management support   | V. Raghu Venkataraman, NRSC           |
| 15 00 to 15 20        | Geospatial Management and Law of the Sea: The Indian Experience  | S. Rajan, NCAOR                       |
| <b>15 20 to 16 00</b> | <b>Tea</b>   |                                       |
| 16 00 to 16 20        | Geospatial Applications for Tsunami Early Warning  | T. Srinivasa Kumar, INCOIS            |
| 16 20 to 16 40        | Geospatial data applications : legal issues & challenges   | V. Balakista Reddy, Hyderabad, NALSAR |
| 16 40 to 17 00        | Real time data availability for Disaster applications  | N. Aparna, NRSC, Hyderabad            |
| 17 00 to 17 30        | Visit to INCOIS Tsunami Early Warning Centre   |                                       |
| <b>19 00 to 22 00</b> | <b>Conference Dinner at Taramati Baradari</b>  |                                       |

**Day 2: November 26, 2009 FN: Session – 4 (Technical Session)**

|                           |  |                                       |
|---------------------------|--|---------------------------------------|
| <b>10 00 to 13 00 Hrs</b> | <b>Predictive Modelling and Analysis of Geospatial Data; DSS &amp; SOP for Early Warning; Chair: Dr. P. S. Roy</b> |                                       |
| 10 00 to 10 30            | Lead talk  | P. S. Roy, NRSC                       |
| 10 30 to 10 50            | Flood inundation modelling for part of Godavari river basin  | G. Srinivasarao, NRSC                 |
| 10 50 to 11 10            | Application of Geo-informatics in maintenance management of roads  | Collins Fosu, Ghana                   |
| 11 10 to 11 30            | DSS & SOP for Tsunami Early Warning  | C. Patanjali Kumar, INCOIS            |
| <b>11 30 to 12 00</b>     | <b>Tea</b>   |                                       |
| 12 00 to 12 20            | A GIS approach to crime information system – a case study of Madurai City  | S. Senthil Kumar, MKU, Madurai        |
| 12 20 to 12 40            | Productivity analyses of Sarda Sagar Reservoir through Geo-informatics   | A.K.Nayak, DCFR, Nainital, Uttarkhand |
| 12 40 to 13 00            | A geo-statistical analysis of utility services in Madurai region using GIS   | R.S. Suja Rose, MKU, Madurai          |
| <b>13 00 to 14 00</b>     | <b>Lunch</b>   |                                       |

**Day 2: November 26, 2009 AN: Session – 5 (Technical Session)**

|                           |   |                                 |
|---------------------------|---|---------------------------------|
| <b>14 00 to 16 00 Hrs</b> | <b>Geospatial Data Cyber Infrastructure; High Resolution Mapping &amp; Applications; Chair: Dr. Parihar</b> |                                 |
| 14 00 to 14 30            | Lead Talk   | J.S. Parihar, SAC               |
| 14 30 to 14 50            | Components of a Successful Geo ICT Strategy   | Umesh Bellur, IIT, Mumbai       |
| 14 50 to 15 10            | Extraction of 3D geo-information from Cartosat images and its visualization                                 | Amitabh, B. SAC, Ahmedabad      |
| 15 10 to 15 30            | Developing geo-spatial data specification following INSPIRE with Turkey Case                                | Tahsin Yomralioglu              |
| <b>15 30 to 16 00</b>     | <b>Tea</b>  |                                 |
| 16 00 to 16 20            | Large-scale geo database for urban utilities infrastructure   | P. Srinivas, NRSC               |
| 16 20 to 16 40            | Applicability and performance of Cell BE as a mobile GIS high performance platform                          | Jyothish Soman, IIIT, Hyderabad |
| 16 40 to 17 00            | Direct geo-referencing of large format Digital camera for Disaster Management                               | E. Anantha Padmanabhan, NRSC    |

**Day 2: November 26, 2009 AN: Session – 6 (Industry Session)**

|                           |   |                          |
|---------------------------|---|--------------------------|
| <b>17 00 to 18 30 Hrs</b> | <b>Industry Session; Chair: Dr. Parihar</b>                             |                          |
| 17 00 to 17 30            | Geospatial data analysis for application in disaster management studies | Maj. Gen. Nagarajan, SOI |
| 17 30 to 17 50            | Wapmer  | Mr. Iqbal Bhatt          |
| 17 50 to 18 10            | TCS   | Mr. M. Srinivasu         |
| 18 10 to 18 30            | Lieca / Erdas   | Mr. Bhaskar Kannoju      |

**Day 3: November 27, 2009 FN: Session – 7 (Technical Session)**

|                           |  |                                   |
|---------------------------|--|-----------------------------------|
| <b>10 00 to 13 00 Hrs</b> | <b>Geospatial Data Management and Web-based Geospatial Services; Chair: Dr. T. P. Singh</b>  |                                   |
| 10 00 to 10 30            | Lead talk - Multi-purpose geo-spatial data base and its applications in the State of Gujarat | TP Singh, BISAG                   |
| 10 30 to 10 50            | Geospatial web services – case study of Bhuvan   | Bala P M, NRSC                    |
| 10 50 to 11 10            | Web GIS implementation at Kanpur Nagar Nigum   | A. Ravi Kumar, ESRI-India, Delhi  |
| 11 10 to 11 30            | Web-based Argo Data services   | E.P. Rama Rao, INCOIS, Hyderabad  |
| <b>11 30 to 12 00</b>     | <b>Tea</b>   |                                   |
| 12 00 to 12 20            | Geospatial data preparation and dissemination using GMap Creator tool for web-based services | K.Suresh, SAC, Ahmedabad          |
| 12 20 to 12 40            | Design and implementation of distributed Web GIS architecture                                | Saurabh Tiwari, NIT, Allahabad    |
| 12 40 to 13 00            | A Web-GIS Interface for an Integrated <i>In-situ</i> Ocean-Data and Information System       | R.V. Shesu, INCOIS, Hyderabad     |
| 13 00 to 13 20            | Interactive WebGIS Services for Tsunami Early Warning System                                 | N. Kiran Kumar, INCOIS, Hyderabad |
| <b>13 20 to 14 00</b>     | <b>Lunch</b>   |                                   |

**Day 3: November 27, 2009 AN: Session – 8 (Technical Session)**

|                           |  |  |
|---------------------------|--|--|
| <b>14 00 to 17 00 Hrs</b> | <b>Vulnerability and Hazard Mapping for Disasters; Chair: Dr. Siva Kumar</b>   |  |
| 14 00 to 14 30            | Geospatial Databases and Applications  | Siva Kumar, NSDI                         |
| 14 30 to 14 50            | Modeling and Mapping of Tsunami along the Cuddalore Coast  | M. V. Ramanamurthy, ICMAM                |
| 14 50 to 15 10            | Generation of coastal flood hazard zonation map of Midnapur – Balasore coast in Eastern India using Integrated remote sensing and GIS techniques | A.K. Bhattacharya, IIT Kharagapur        |
| 15 10 to 15 30            | Flood vulnerability analysis with spatial data integrated flow duration model : A Geo-information platform for disaster preparedness             | Ngangbam Romeji, NESAC, Meghalaya        |
| <b>15 30 to 16 00</b>     | <b>Tea</b>   |  |
| 16 00 to 16 20            | Generation of high resolution DEM for inundation studies using airborne LIDAR  | PVSSN Gopala Krishna NRSC                |
| 16 20 to 16 40            | Coastal Multi-hazard Vulnerability Mapping along the Cuddalore Coast, East Coast of India using the Remote Sensing and GIS                       | R.S. Mahendra, INCOIS                    |
| 16 40 to 17 00            | Role of information in Drought management: a case study of Baramati Taluka   | Amol Pawar D, SIT, Pune                  |
| 17 00 to 17 20            | Sea-level variability in Indian Ocean  | Siva Reddy, Hyderabad Central University |
| <b>17 20 to 17 30</b>     | <b>Concluding Session</b>  |  |