

**GEOMATICA 2004**  
***“Geospatial Technology: Trends and Opportunities”***  
**Havana, Cuba, 10-14 May 2004**

Dear Hydrographer,

The 4<sup>th</sup> International Congress GEOMATICA 2004 will be held on 10-14 May 2004 in Havana, Cuba, under the general theme “Geospatial Technology: Trends and Opportunities”. The IHO will be one of the sponsoring international organizations for this event, as was the case in 2000 and 2002, following a request by the Cuban HO (National Office of Hydrography and Geodesy).

As may be seen from the preliminary programme which is provided in **Annex A**, GEOMATICA 2004 will address a number of topics of interest to the IHO community, in particular ‘spatial data capturing and processing’, ‘map production and GIS’, and ‘Navigation systems’. Suitable persons will be identified for the planned IHO contributions to the Congress, i.e. the presentation on ENC’s of 12 May and the round table on ENC’s of 14 May.

The IHB has also accepted to coordinate the holding of a workshop on ENC’s on 10-11 May, in liaison with the Cuban HO, in order to foster the production, distribution and use of ENC’s in Latin America. The workshop will aim at addressing all ENC-related topics, with particular emphasis on regional aspects, e.g:

- Assessment of ENC production and availability.
- Requirements for training and assistance in ENC production.
- Issues pertaining to the distribution of ENC’s, e.g. data protection, SENC distribution, RENC’s, etc.
- Setting up of a SHARED-like regional project.
- Identification of the means of improving the current situation.

The United Kingdom Hydrographic Office will also be co-sponsoring GEOMATICA 2004 and the IHB will be liaising with the UKHO, in addition to the Cuban HO, when preparing the workshop programme and the IHO contribution to the congress.

English and Spanish interpretation will be provided at the congress and the workshop. The workshop will be targeted to IHO Member States of the region who are therefore encouraged to send representatives to these events. We have been told by the organizers that the registration fees to the congress and the workshop will be US\$250 and US\$50 (approx.), respectively.

Further details on the workshop (e.g. provisional agenda, Chair and speakers) and the congress will be provided in a future Circular Letter on the matter. Meanwhile, the GEOMATICA 2004 website ([www.informaticahabana.com](http://www.informaticahabana.com)) may be usefully consulted.

On behalf of the Directing Committee  
Yours sincerely,  
*(original signed)*

Rear Admiral Kenneth BARBOR  
Director

Encl: Annex A

Copied to: Executive Secretary of GEOMATICA 2004



**IV International Congress GEOMATICA 2004**  
**“Geospatial Technology: Trends and Opportunities”**  
**Conventions Palace, Havana, Cuba.**  
**May 10-15, 2004**

The IV International Congress GEOMATICA 2004, which will be held within the framework of INFORMATICA Convention, will focus its debates on geospatial technologies as the base of Geomatics applications. This theme complements past issues aimed at spatial data and their standards. We wish to provide a debate opportunity to all who have an interest in Geo Information Science.

Themes.

1. Education and training.
2. Technologies of spatial data capturing and processing.
3. Technologies of map production and Geographical Information Systems.
4. Navigation systems.
5. Standards and Spatial Data Infrastructures.
6. Map services and Geographical Information Systems on Internet.
7. Geomatics applications to the society.
8. Legal and economic issues.

Working Languages:

- Spanish
- English

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Sponsorship:

National

- GEOCUBA Entrepreneurial Group.
- National Office of Hydrography and Geodesy.
- Cuban Geographic Society.
- Institute of Tropical Geography
- Geology and Paleontology Institute (IGP).
- UNDP Project for the Sabana Camaguey coastal management.
- National Union of Architects and Engineers of the Construction of Cuba (UNAICC)

International

- International Cartographic Association. (ICA).
- International Hydrographic Organization (IHO).
- Permanent Committee of America Spatial Data Infrastructure (CP IDEA).
- Latin-America Society of Remote Sensing and Spatial Information Systems (SELPER).
- Journal “Mapping”
- United Kingdom Hydrographic Service

Monday 10	Tuesday 11	Wednesday 12	Thursday 13	Friday 14
<p><b>Workshop on Geographic Information Standards (ISO/TC 211, OGC, etc)</b> (40 persons) Coordinator: Antony Cooper, CSIR, South Africa Tatiana Delgado, GEOCUBA, Cuba.</p>		<p><b>09:00 Opening Ceremony of GEOMATICA 2004.</b> <b>09:30 Master Conference</b> Theme: Spatial Data Infrastructures and Cartography By: ICA/ACI <i>10:15 BREAK</i></p>	<p><b>09:00 Master Conference</b> Theme: Incremental Updating and Versioning in Spatial Data Bases By: ICA/ACI. <b>09:45 Session of Geographic Information Standards.</b> Round Table: ICA, ISO/TC 211, IHB, CP IDEA, IDERC. <i>10:15 BREAK</i></p>	<p><b>09:00 Master Conference</b> Theme: Location Based Services <b>09:45 Location Based Services Session.</b> Oral Presentations and panels. <i>10:15 BREAK</i> <b>10:30 Maps and GIS on Internet Session.</b> Oral Presentations and panels. <i>12:00 – 13:30 LUNCH</i></p>
<p><b>Workshop on Location Based Services</b> (40 persons) Coordinator: ICA Maps and Internet Commission</p>		<p><b>10:30 Master Conference</b> Theme: : State of the Art of Digital Photogrammetry and Remote Sensing. By: ISPRS <b>11:15 Master Conference</b> Theme: State of the Art of Electronic Navigation Charts. By: IHB <i>12:00 – 13:30 LUNCH</i></p>	<p><b>10:30 Master Conference</b> Theme: The Spatial Data Infrastructure of America. By: CP IDEA 11:00 Spatial Data Infrastructure. Round Table: National Office of Hydrography and Geodesy, IGP, National Office of Informatization, CP IDEA, ICA. <i>12:00 – 13:30 LUNCH</i></p>	<p><b>13:30 Electronic Navigational Charts Session.</b> Round Table: IHB, Hydrographic and Geodesic Service of Republic of Cuba, Hydrographic Service of United Kingdom. <i>15:15 BREAK</i></p>
<p><b>Workshop on Electronic Navigation Charts</b> (50 persons) Coordinator: Michel Huet, International Hydrographic Bureau, Monaco. Iván Karel Sosa, Hydrographic and Geodesic Service of the Republic of Cuba.</p>		<p><b>13:30 Education and Training Session.</b> Round Table: UCI, eGEOCampus, ISPJAE, GEOCUBA. <i>15:15 BREAK</i></p>	<p>13:30 Session of Geomatics Applications. Oral Presentations and panels. <i>15:15 BREAK</i></p>	<p><b>15:30 Digital Photogrammetry and Remote Sensing Session.</b> Panel: ISPRS, SELPER, GEOCUBA.</p>
<p><b>Workshop on Digital Photogrammetry</b> (20 persons) Coordinator: Pedro Martínez, GEOCUBA, Cuba. International Society of Photogrammetry and Remote Sensing (ISPRS).</p>		<p><b>15:30 Technologies of spatial data capturing and processing Session.</b> Oral Presentation.</p>	<p><b>15:30 Geomatics Applications Session.</b> Oral Presentations and panels.</p>	<p><b>16:30 Closing Ceremony of GEOMATICA 2004.</b></p>