

International GIS Workshop on East Antarctica AntGIS04

Wuhan, China
May 27-29, 2004

Agenda

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|--------|-------------|-------------------------------------|
| May 27 | 09:00-10:00 | Opening Ceremony |
| | 10:00-10:30 | Coffee Break and Group Photo |
| | 10:30-12:00 | Technical Visit at Wuhan University |
| | 12:00-14:00 | Lunch |
| | 14:00-15:30 | Session 1 at LIESMARS |
| | 15:30-16:00 | Coffee Break |
| | 16:00-17:30 | Session 2 at LIESMARS |
| | 18:00- | Welcome Banquet |
| May 28 | 08:30-10:00 | Session 3 at LIESMARS |
| | 10:00-10:30 | Coffee Break |
| | 10:30-11:30 | Session 4 at LIESMARS |
| | 11:30-12:00 | Closing Session at LIESMARS |
| | 12:00-14:00 | Lunch |
| | 14:00-18:00 | City Tour |
| | 18:00- | Dinner |
| May 29 | 08:00-18:00 | One-day tour to the Three Gorges |

Workshop Topics:

- Application of GIS for Antarctic expeditions and research
- The integration and application of Antarctic sampled and spatial data
- The storage and management research of Antarctic spatial databases
- Antarctic spatial data standards
- On-line Antarctic GIS products
- Design and implementation of Internet-based GIS of Antarctic
- The GIS status of East Antarctic and GIS cooperative research between China, Australia and Russia
- Other related Antarctic Geoscience issues

Workshop language:

English

Organized by:

- International Office of Wuhan University
- Chinese Antarctic Center of Surveying and Mapping (CACSM), Wuhan University
- State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing (LIESMARS), Wuhan University

Sponsored by

- Scientific Committee on Antarctic Research (SCAR) - Geoscience SSG
- Chinese Arctic and Antarctic Administration
- State Bureau of Surveying and Mapping

Steering Committee:

- John Manning, SCAR Expert Group on Geospatial Information, Australia
- Glenn Johnstone, SCAR Geoscience SSG, UK
- Liu Jingnan, President of Wuhan University, China
- Qu Tanzhou, Director of Chinese Arctic and Antarctic Administration, China
- Xu Yanying, State Bureau of Surveying and Mapping, China

Local Organizing Committee:

- E Dongchen, Chinese Antarctic Center of Surveying and Mapping, Chair
- Gong Jianya, State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing, Co-Chair

- Li Hui, International Office of Wuhan University, **Co-Chair**
- Chen Chunming, Chinese Antarctic Center of Surveying and Mapping
- He Liming, International Office of Wuhan University
- Li Pingxiang, State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing
- Shi Lite, State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing
- Yang Xu, State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing
- Zhang Shengkai, Chinese Antarctic Center of Surveying and Mapping
- Zhang Wenyan, Chinese Antarctic Center of Surveying and Mapping

Other information:

- **Accommodation:**

Hongyi Hotel

No.136, Donghu Road, Wuchang District, Wuhan

Tel: (86)27-67819888-8133

Fax: (86)27-67819999

Post Code: 430071

Email: sales@wdhy-hotel.com

4-stars Hongyi Hotel is located very close to Wuhan University, at the southwest bank of Dong Lake. The scenery is attractive. We have booked a double room for each representative, the room has shower, TV, WC, phone, air-conditioning etc.

- **Transport:**

The distance from the airport to Wuhan University is about 30 km, we will pick up all the representatives at the airport or railway station to the hotel.

- **Weather:**

The weather on May 27-29 in Wuhan is comfortable, the temperature is about 32⁰C in the daytime and 22⁰C at night.

- The accommodation and sightseeing tour will be free during the workshop.

Program

Thursday, May 27, 2004

08:30-09:00 Registration of the workshop participants (LIESMARS)

09:00-10:00 **Opening Ceremony**

- **Chairman, E Dongchen**, Director of Chinese Antarctic Center of Surveying and Mapping (CACSM)
- Welcoming Words - **Liu Jingnan**, President of Wuhan University
- Welcoming Words - **Qu Tanzhou**, Director of Chinese Arctic and Antarctic Administration
- Welcoming Words - **Xu Yanying**•State Bureau of Surveying and Mapping
- Welcoming Words - **Gong Jianya**, Director of State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing
- Welcoming Words - **Li Jiancheng**, Director of School of Geodesy and Geomatics

10:00-10:30 Coffee Break and Group Photo

10:30-12:00 Technical Visit at Wuhan University

12:00-14:00 Welcome Banquet
host: **Gong Jianya, E Dongchen**

14:00-15:30 Session 1 at LIESMARS
Chairman: **Jan Cisak, Poland**

■ **Gong Jianya, China**
Report: Technologies and Standards on Spatial Data Sharing

■ **Roberto Cervellati, Italy**
Report: WebGIS-ILA: The GIS for Italian Logistics in Antarctica on the WEB

■ Cheryl A. Hallam, USA

Report: Inventory of On-line Atlases and Geodatabases

■ Zhang Xia, China

Report: The Establishment of the Chinese Polar Science Database System

15:30-16:00 Coffee Break

16:00-17:30 Session 2 at LIESMARS

Chairman: Roberto Cervellati, Italy

■ Filatov Mikhail Nikolaevich, Russia

Report: About GIS Cartographic Basement Creation for East Antarctic

■ Liu Xiuxia, Canada

Report: The Cybercartographic Atlas of Antarctica: Visualization for Antarctic Science

■ Fraser Taylor, Canada

Report: Presentation on Cybercartography

■ Chen Nengcheng, China

Report: A Web GIS Platform Software Based on J2EE- GeoSurf and Its Application in Chinese Antarctic GIS Portal Node Construction

■ Ai Songtao, China

Report: The Fundamental Frame and Key Technology of Chinese Polar Scientific Expedition Management Information System Based on Web GIS

18:00-21:00 Banquet

Friday, May 28, 2004

08:30-10:00 Session 3 at LIESMARS

Chairman: Gong Jianya, China

■ Steffen Vogt, Germany

Report: An On-line Map Viewer Interface to the King George Island GIS Database

■ **Pang Xiaoping**, China

Report: Study on Fragile Ecological Environment in Fildes Peninsula, King George Island Based on GIS

■ **Jan Cisak**, Poland

Report: Geographical Information System for Arctowski Station Samples of spatial analysis

■ **Jia Wenjue**, China

Report: GIS Interoperability Method Based on Web Service Technology

■ **Zhang Chunkui**, China

Report: The Handling and Organization of Spatial Data in Chinese Polar Scientific Expedition Management Information System (CPSEMIS)

10:00-10:30 Coffee Break

10:30-11:30 Session 4 at LIESMARS

Chairman: Cheryl A. Hallam, USA

■ **Michelle Finnemore**, New Zealand

Report: On-line Antarctic GIS Service: A New Zealand Antarctic GIS for the Ross Sea Region

■ **Xu Ping**, China

Report: Issuance Polar Geography Information Using Geosurf on Internet

■ **Ai Songtao**, China

Report: The Research on Construct Digital Antarctic Great Wall Station with Close Shot Photogrammetry and GPS Method

■ **Zhou Chunxia**, China

Report: Technologies and Methods Study of DEM Generation in Antarctic Inland Ice Sheet

■ **Zhang Xiaohong**, China

Report: Preliminary Results about the Dynamic Characteristics of Amery Ice Shelf from Precise Point Positioning Solution

11:30-12:00 Closing Session at LIESMARS

Speakers: E Dongchen

12:00-14:00 Lunch

14:00-18:00 City Tour

18:00-21:00 Banquet

Saturday, May 29, 2004

08:00-18:00 One-day tour to the Three Gorges