

**First Announcement
and
Call for Papers**

**IAG Workshop on
Monitoring of
Constructions and Local
Geodynamic Processes**

**Wuhan University
PR China**

May 22-24, 2001

Organized by



IAG Special Commission 4

Working Groups **WG2 and **WG3****



Department of Applied and
Engineering Geodesy
Vienna University of Technology



School of Geoscience and
Surveying Engineering
Wuhan University, PR China

Conference Programme

Monitoring and system analysis of landslides, mudflows and rockslides has become of great importance, since the population of the world is increasing dramatically and, as in many cases, housing estates and industrial sites were erected without taking into consideration these geodynamic processes. In mountainous areas, for instance, as in the Alps in Europe, it is assessed that about 6 % of the country is affected by landslides. Along the Yangtze River, in the surrounding of the Three Gorges Dam Reservoir in China, e.g. about 120 landslides have to be monitored.

On the other hand, also continuous deformation monitoring of buildings and constructions is an important task for engineers. In the 20th century alone, the record height for a building or bridge span has increased by a factor of around 4. Quality control of these structures is a challenging task. The goals of the monitoring methods are the assessment of the structural behaviour (safety inspection), on the one hand, and improvement of maintenance (optimization of repair, early detection of damages), on the other. Instruments, used to monitor the motions, are often fixed to the object under motion. That means, their dynamic parameters change depending on the frequencies of the motions.

The goal of the two Working Groups WG2 and WG3 of IAG SC4 is to study dynamic monitoring methods, sensor systems and system analysis and models for quality control of large structures and landslides. Therefore also interdisciplinary collaboration will be necessary. The workshops intend to bring together experts and users from different fields, either from universities and other research institutions or from industry and engineering companies. The workshop will also provide the opportunity that researchers and experts from Europe can meet their colleagues from Asia in their related field. Therefore the workshop theme is

“EUROPE meets ASIA”

at the Wuhan University in China in May 2001.

Welcome to Wuhan 2001 !

Preliminary List of Sessions

The technical programme will consist of oral presentations organized in the following sessions of the two working groups of the SC 4:

- **SC4 WG 2: “Dynamic Monitoring of Buildings and System Analysis”**
- **SC 4 WG 3: “Monitoring of Local Geodynamic Processes and System Analysis”.**

The official language of the meeting is *English*. Apart from technical sessions on the first two days, there will be the opportunity to attend a sightseeing tour of the city Wuhan on the third day. This is also included in the registration fee. Guests may take a post symposium tour to the famous Three Gorges, but the cost is not included in the registration fee. The payment has to be made in cash at the conference registration desk.

Call for Papers

If you would like to present a paper at the conference, please send an extended abstract (250 – 300 words), including name(s), address, affiliation, fax and phone of authors, preferable by e-mail or also by fax.

E-mail: guojimin@public.wuhan.cn gb.com

Fax: +86 / 27 / 87884185

Abstract due date: **January 31, 2001**

Acceptance notification will be mailed by end of February. Camera ready papers will be published in the Journal of Geo-Spatial Information Science published by the Wuhan University. Paper format is shown on the last page of this announcement.

Paper due date: **April 30, 2001**

For up-to-date information about the Conference visit our websites:

URL:

<http://info.tuwien.ac.at/ingeo/sc4/wuhan01.htm>
<http://www.wtusm.edu.cn/wuhan01.htm>

Conference Site

Information about Wuhan

Wuhan is geographically in the centre of China and is a major hub for transportation and communication. The city can easily be accessed by airplane, train, car and ship. As the capital of Hubei province, it is a large and beautiful metropolis. Famous sights are the Yellow Crane Tower, the Guiyuan Temple, the ancient Chu culture and the East Lake.

Conference Venue

The Foreign Guest Hotel of Wuhan University (in the campus of former WTUSM). The venue is conveniently serviced by public transportation and is close to the high-tech zone of Wuhan. The beautiful East Lake is in walking range. For more information, please visit <http://www.wtusm.edu.cn>.

Wuhan University

Wuhan University is formed by four universities: former Wuhan University, Wuhan University of Hydraulic and Electric Engineering, Wuhan Technical University of Surveying and Mapping, Hubei Medical University. The campuses of the four former universities are adjacent. The new university has a high rank among all the universities of China. For more information, please visit <http://www.whu.edu.cn>.

Post Symposium Tour

After the workshop there is the opportunity to attend a post symposium tour for 3 days to the Three Gorges. The tour is planned to visit the dam site and view the beautiful scenery in the Three Gorges area from a comfortable ship.

Scientific Committee

Yanli Gao	Bureau of Land Resources	China
Heribert Kahmen	Vienna University of Technology	Austria
Jingnan Liu	Wuhan University	China
Wolfgang Niemeier	Technical University Braunschweig	Germany
Gyula Mentés	Academy of Science	Hungary
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Registration Form

IAG Workshop on Monitoring of Construction
and Local Geodynamic Processes
Wuhan, May 22-24, 2001

First Name: _____

Last Name: _____

Organization: _____

Address: _____

Post code, City: _____

Country: _____

Tel.: _____

Fax: _____

E-mail: _____

Registration Fee:

- Full Delegate** (including admission to all sessions,
a copy of the proceedings, lunch and dinner) **150 USD**
- Accompanying Persons each** **80 USD**
No. of Persons: _____
- Post Symposium Tour per person** **250 USD**
No. of Persons: _____

TOTAL _____ **USD**

Signature: _____

Please print and fax to: +86 / 27 / 87884185