

3rd FIG Regional Conference
**Surveying the Future –
Contributions to Economic,
Environmental and Social Development**

Jakarta, Indonesia, October 3–7, 2004

First invitation and call for papers

ORGANISED BY



INTERNATIONAL
FEDERATION OF
SURVEYORS (FIG)



IKATAN
SURVEYOR
INDONESIA (ISI)



THE INDOONESIAN NATIONAL
COORDINATING AGENCY FOR
SURVEYS AND MAPPING
(BAKOSURTANAL),
INDONESIA

INVITATION

The focus of the 3rd FIG Regional Conference will be on economic, environmental and social development combining these three main factors to promote sustainable development. Therefore the theme for this first FIG regional conference in Asia and the Pacific is "Surveying the Future – Contributions to Economic, Environmental and Social Development", which hopefully gives responses to the actual problems of the region and develops models how surveyors and their expertise can help in solving these problems. This conference is organised by the International Federation of Surveyors (FIG), the Ikatan Surveyor Indonesia (ISI) and the Indonesian National Coordinating Agency for Surveys and Mapping (BAKOSURTANAL). The conference is co-sponsored by the United Nations and its agencies agencies FAO, UNEP and UN-Habitat and as other international partners by the International Association of Geodesy (IAG), The Asean Federation of Land Surveying and Geomatics (The ASEAN FLAG) and the Permanent Committee on GIS Infrastructure for Asia & the Pacific (PCGIAP). The local co-sponsors include the Ministry of Research and Technology (RISTEK), the Governor of Jakarta City Government (DKI) and Kepala Badan Pertanahan (BPN) (National Land Agency). The conference is open to participants from all over the world with the main focus on Asia and the Pacific.

FIG is an international, non-governmental organisation whose purpose is to support international collaboration for the progress of surveying in all fields and applications. FIG is the only international association representing all surveying disciplines. FIG has members in more than 100 countries and in the member associations there are more

than 230,000 individual members. In addition to 87 member associations FIG has 64 academic members, 11 affiliates and 14 correspondents. More information is available at <http://www.fig.net>.

Ikatan Surveyor Indonesia is (ISI) is the most important professional surveying association in Indonesia. It has 250 members and is the Indonesian member association in FIG.

The Indonesian National Coordinating Agency for Surveys and Mapping (BAKOSURTANAL) is a Non Departmental Government Agency responsible directly to the President. The mandates of this Agency are:

- to study and formulate national policies is surveys and mapping;
- to develop national spatial data infrastructure (NSDI);
- to coordinate functional activities in conducting BAKOSURTANAL task;
- to monitor, guide and develop activities of government institutions in the field of national surveys and mapping;
- to organise, develop and serve general administration in the field of general planning, organizational management, personnel, finances, archives, code and internal affair.

More information can be found at:
<http://www.bakosurtanal.go.id/>.

This conference will, in particular, provide a unique opportunity to focus on the interrelationship between the environment and economic aspects of sustainable development both in urban and rural areas as well as how the latest technology can help in this process.

We look forward to meeting you in Jakarta.

Prof. Holger Magel
President

International Federation of Surveyors, FIG

Dr. Sobar Sutisna
Chairman

Ikatan Surveyor Indonesia, ISI

Ir. Rudolf W. Matindas, M.Sc.
Head of BAKOSURTANAL

The Indonesian National Coordinating
Agency for Surveys and Mapping
(BAKOSURTANAL)

ORGANIZING COMMITTEE

- **Dr. Sobar Sutisna**, ISI, Chair of the Organising Committee
- **Ir. G. H. Anto**, ISI
- **Ir. Sugeng Prijadi**, BAKOSURTANAL
- **Chairul Basri**, CES, BPN
- **T. N. Wong**, FIG Vice President
- **Matt Higgins**, FIG Commission 5

- **Gerhard Muggenhuber**, FIG Commission 3
- **Chris Rizos**, IAG Commission 4
- **Markku Villikka**, FIG Office

The organising committee will be assisted by sub-committees (programme committee, finance committee and hospitality committee).

HONORARY COMMITTEE

- **Prof. Holger Magel**, President of FIG, Chair of the Honorary Committee
- **Ir. Rudolf W. Matindas, M.Sc.**, Head of BAKOSURTANAL, Vice Chair of the Honorary Committee
- **Dr. Paul Munro-Faure**, FAO
- **Dr. Clarissa Augustinus**, UN-HABITAT
- **Mr. Svein Tveitdal**, UNEP

- **Prof. Gerhard Beutler**, President of IAG
- **Mr. Peter Holland**, President of PCGIAP
- **Mr. Teo Chee Hai**, Secretary General, The ASEAN FLAG
- **Dr. Wendy Aritenang**, Deputy Minister, RISTEK
- **Prof. Dr. Lutfi I. Nasoetion**, Head of BPN

THEME AND TOPICS

The theme of the conference is “Surveying the Future – Contributions to Economic, Environmental and Social Development”.

General Topics

All ten FIG technical commissions will attend the conference and papers therefore requested to all following topics:

- Professional Standards and Practice
- Professional Education
- Spatial Information Management
- Hydrography
- Positioning and Measurement
- Engineering Surveys
- Cadastre & Land Management
- Spatial Planning & Development
- Valuation and the Management of Real Estate
- Construction Economics and Management

Specific Topics

The main theme of the conference is divided into sub-themes to which papers are requested, in particular:

- Free Movement of Labour and Certification of Personnel
- Professional Standards and Qualifications and Mutual Recognition
- Surveying/Geomatics Education
- NSDI
- e-Governance
- Spatial Information and Technology for Natural Disaster Management
- Marine Cadastre/Coastal Zone Management

- Nautical Hydrography
- Hydrographic Surveying in Ports & Harbours
- Hydrography for Dredging & Engineering Projects
- Regional Horizontal and Vertical Reference Frame
- Cost Effective Surveying Technology and Techniques for Developing Countries
- Positioning and Measurement Technologies and Applications
- Mobile Mapping Technologies
- Current Development in Remote Sensing Technologies
- Applied Engineering Surveys
- Engineering Surveys in Urban Development (tunnel and underground surveys)
- Mine Surveying
- Cadastre and Land Management
- Decentralization of Land Management
- Land Management, Land Administration and Cadastre in Indonesia (customary rights, decentralization, land records, digitalization and digital cadastre)
- Urban Development and Spatial Planning in South East Asia
- Risk and Disaster Management
- Property Markets in Informal Settlements in Indonesia
- Valuation and Real Estate Management in ASEAN Countries
- Affordable Housing

Each conference day will be opened by a plenary session with contributions from prominent keynote speakers followed by 3 parallel sessions.

BENEFICIARIES

The conference is expected to attract professionals, academics, scientists, researchers, policy makers and admin-

istrators from all surveying disciplines and related professionals.

TENTATIVE PROGRAMME

| | Sunday 3 October | Monday 4 October | Tuesday 5 October | Wednesday 6 October | Thursday 7 October |
|-------------|---|--|--|--|--------------------------------|
| 08.30–09.00 | | Registration | Registration | Registration | Technical tour to Bogor |
| 09.00–10.00 | FIG ACCO meeting | Opening ceremony | Plenary session Exhibition | Plenary session Exhibition | Full-day technical tour |
| 10.30–12.00 | FIG ACCO meeting | Plenary session Exhibition | Technical sessions and workshops (3 parallel sessions) Exhibition | Technical sessions and workshops (3 parallel sessions) Exhibition | |
| 13.30–15.00 | Registration FIG ACCO meeting | Technical sessions and workshops (3 parallel sessions) | Technical sessions and workshops (3 parallel sessions) Exhibition | Technical sessions and workshops (3 parallel sessions) | |
| 15.30–17.00 | Registration FIG ACCO meeting | Technical sessions and workshops (3 parallel sessions) Exhibition | Technical sessions and workshops (3 parallel sessions) Exhibition | Technical sessions and workshops (3 parallel sessions) | |
| 17.00–18.00 | Meeting of the drafting group | Plenary session / Roundtable | Plenary session / Roundtable | Closing ceremony incl. conference statement and recommendations | |
| 19.00– | | Welcome Reception | Indonesian evening | Gala dinner | Arrival from technical tour |

In addition several FIG Commissions will have their administrative meetings during the conference.

CALL FOR PAPERS

Abstracts are called on any of the conference themes and topics. Abstracts not exceeding 2 pages including short CV and contact information should be submitted to the International Federation of Surveyors, address: FIG Office, Lindevangs Alle 4, DK-2000 Frederiksberg, Denmark, email: fig@fig.net, tel. +45 3886 1081 and fax +45 3886 0252. Abstracts are requested to be submitted in electronic format, if possible in MS-Word). The deadline for abstracts is **31 May 2004**. The authors will be informed by **20 June 2004** of acceptance of their paper. The deadline for full papers (not exceeding 15 pages) is **31 July 2004**. Detailed guidelines on submitting the papers are available on FIG web site (www.fig.net/jakarta). The programme including the names of speakers and abstracts of their papers will be

available on the FIG web site **20 June 2004**. All papers will be published and proceedings (CD-ROM) will be distributed during the conference. All papers will be posted on the FIG web site (www.fig.net). When submitting the paper the author(s) give(s) FIG the right to publish the paper permanently on the FIG web site and to include it in the FIG Surveying Reference Library. Papers shall be submitted in English with a one-page summary in English. The number of abstracts will be limited to up to two per author.

Further information is available from the International Federation of Surveyors (FIG), email: fig@fig.net or from the Ikatan Surveyor Indonesia, email: info@isi-fig.org.

VENUE

The Conference will be held at the *JW Marriott Hotel* in Jakarta, October 3–7, 2004. The contacts to the hotel are: JL. Lingkar Mega Kuningan Kav E12 No.1/2 Mega Kuningan Jakarta, 12950 Indonesia. Tel. +62 21 5798 8888, fax:

+62 21 5798 8833, web site: <http://marriott.com/property/propertyPage/JKTJW>.

LANGUAGE

The conference will be in English.

REGISTRATION, FEES AND IMPORTANT DATES

Registration fees are as follows:

| Registration fees | Before 30 June 2004 | After 30 June 2004 |
|---|---------------------|--------------------|
| <i>Conference delegates (international)</i> | | |
| – Delegates | € 250 | € 300 |
| – Students | € 50 | € 100 |
| – Accompanying persons | € 50 | € 100 |
| <i>Conference delegates (Indonesian)</i> | | |
| – Delegates | Rp. 500,000 | Rp. 600,000 |
| <i>Technical tour</i> | € 50 | € 50 |
| <i>Social programme</i> | | |
| – Indonesian evening | € 50 | € 50 |
| – Gala dinner | € 50 | € 50 |

Registration fee includes conference attendance, proceedings (CD-ROM), lunches and 2 coffee breaks on October 4–6 and welcome reception October 4. Gala dinner, additional social programme and the technical tour on October 7 will be charged separately.

Registration fee for the accompanying persons includes participation to the opening ceremony, coffee/tea after the opening sessions, welcome reception and opportunity to register for social events and tours.

Speakers from developing countries are requested to contact the conference organisers for support to participate.

Registration is possible either by using the registration

form on the conference web site (www.fig.net/jakarta) or by sending the registration form to FIG office.

In the case of cancellations after registration the following policy on refunds will be used:

- By 30 June 2004 – full refund minus administration fee of € 50
- After 1 July to 1 September 2004 – 50 % of all payments
- After 1 September 2004 – No refund.

Payments shall be made to FIG office by a bank transfer to the FIG account, by bank cheque or by credit card. Local participants shall register to the Ikatan Surveyor Indonesia.

ACCOMMODATION

The organising committee has negotiated special rates for the conference participants. All rates include breakfast, government taxes and service. Prices will vary from less than USD 40 (in 3 star hotels) to USD 100 (in 5 star hotels). For further information please visit the conference web site www.fig.net/jakarta. All participants are strongly recommended to book to the conference hotel because

of the heavy traffic in Jakarta. The organisers will not organise daily transfers to other hotels.

Hotel reservations shall be made directly to the hotel by using the conference registration form. One night's deposit will be charged to confirm the registration. The remaining accommodation costs shall be paid directly to the hotel. The hotels accept all major credit cards.

EXHIBITION

An exhibition of surveying and technology is planned. This will include up to date displays from manufacturers with their current range of instruments and software. Any company or organisation requiring further information

about the possibility of having a display should contact the FIG at FIG@FIG.net.

TECHNICAL TOURS

One day technical tour will be organised to Bogor on October 7, 2004. The detailed programme will be published on

the conference web site.

SOCIAL PROGRAMME

The social programme includes:

- Welcome reception
- Indonesian evening

- Gala dinner

To see details, please visit the conference web site.

SIGHTSEEING AND POST-CONFERENCE TOURS

The organising committee has selected a reliable travel agency as the conference tour agency having long experience in organising tours in Indonesia. It can offer several opportunities to experience Jakarta and Thousand Islands,

Bali, Bandung and Yogyakarta.

For further information visit the conference web site or contact the FIG office.

ABOUT JAKARTA

Jakarta is the dynamic capital city of the Republic of Indonesia, a country composed of more than 17,000 islands with a population of over 210 million. Comprising more than 300 ethnic groups speaking 200 distinct languages and dialects, the Indonesian population exhibits incredible diversity in its linguistic, cultural and religious traditions. As the nation's capital, Jakarta is truly a "meeting point" of representatives from throughout the archipelago.

Jakarta is the lively social, cultural, economic and political hub of the nation, carrying legacy of more than 30 years of uninterrupted economic expansion. It is home to many of the country's finest research institutions, educational facilities and cultural organizations, and uniquely serves both as the seat of national as well as regional government.

Strategically positioned on the west side of the island of Java, the Capital City is the principal gateway to the rest of Indonesia. From Jakarta, sophisticated land, air and sea transport are available to the rest of the country.

Over the last several decades, Jakarta has proudly developed into one of Asia's most prominent metropolitan centers. With a current population of over nine million people, Jakarta has undergone dramatic growth.

The history of Jakarta dates back to at least the 14th Century with the development of a small port of the Hindu Pajajaran kingdom at the mouth of the Ciliwung

river. Searching for the fabled "spice islands", the Portuguese were the first Europeans to arrive and establish a fortress on the site in the early 16th Century.

The old port was attacked by a neighboring sultanate under the leadership of Prince Fatahillah. After the assault, the Portuguese navy fleet was destroyed. Fatahillah changed the name of the Sunda Kelapa port to Jayakarta, meaning "Total Victory".

It was to this town that Dutch spice merchants came in the late 16th Century and began a trading association with Europe that was to dictate the history of Jakarta, and Indonesia as a nation, for nearly 350 years. Under the Dutch East India Company (VOC) the town of Jayakarta was renamed to Batavia in 1619; from here they ruled Indonesia for more than three centuries. Following the Japanese invasion and rule of the country from 1942-45, on August 17 1945, Indonesia's first president Soekarno, proclaimed Indonesian independence and Jakarta became the accepted nation's capital.

Today the City Government development plan is directed at stimulating services, trade, tourism and selected industries so as to take an advantage of the city's many assets and potentials, including a young generation of well-qualified professionals. Jakarta is rapidly being recognized as a "service city" in the field of finance, trade, tourism and telecommunications.

PRACTICAL INFORMATION

Airport. Soekarno-Hatta Airport is located approximately 26 km west of the city, or about a 20-minute drive to the heart of the business district where many of the major hotels are located. Soekarno-Hatta is serviced by 32 major international airlines. Travelers departing from Soekarno-Hatta International Airport are required to pay an airport tax of Rp 100,000,- (~9.50 EUR). For domestic travel, the tax is Rp 20,000,- payable at the check-in counter at the airport.

Climate & Dress. Jakarta has a pleasant tropical climate (25–31 °Celsius) most of the year, with gentle breezes. From late October to April, there is usually a rain shower everyday. The temperature drops slightly at night. Most restaurants are air-conditioned, so it's good to bring along a light jacket or sweater. Dress code is generally informal due to the warm, humid climate. People are generally neatly attired in business environments, and fashion conscious. For business meetings, accepted attire is a long-sleeved shirt with tie, and long pants. Long sleeved batik or hand-woven shirts are often worn for evening functions. For women, suits, dresses, or blouses with skirts or pants are fine. Shorts or halter tops should be used only at sports facilities or on the beach.

Currency & Credit Cards. Indonesian currency is denominated in rupiah and freely convertible. Major international credit cards (Visa, Mastercard, American Express and Diner's Club) are widely accepted. Automated teller machines (ATMs) are found throughout the city. Exchange rate in March 2004: 1 USD = 8,700 Rp. and 1 EUR = 10,650 Rp.

Electricity: 220 volts /50 cycles. Standard outlets are plugs with two rounded pins.

Transport: From Jakarta's Soekarno-Hatta International Airport, take a metered taxi located in front of the arrival terminal. An additional surcharge from the airport is Rp 3,000,- plus Rp 4,000,- for the toll road. As taxis are safe and relatively inexpensive, visitors are not recommended to self-drive in Jakarta. Within the city, taxis are easily gotten at hotels or major buildings, or flagged down on the street. Flagfall is Rp 3,000,- and Rp 1,300,- for each additional kilometer.

Office Hours: Government offices are open from 8 am to 4 pm from Monday to Friday, but closed between 11:30 am – 1:30 pm on Friday for Muslim prayer time. Business offices are usually open from 9 am to 5 pm, and are generally closed on Saturdays. Banks are usually open from 8:30 am to 4 pm from Monday to Friday.

Passport & Visa Requirements: All travelers to Indonesia must possess passports, valid for at least six months after arrival, and proof of onward passage out of the country. New visa requirements were introduced in February 2004. Free tourist visas are given at the airport on arrival to tourists who are nationals of Thailand, Malaysia, Singapore, Brunei, Philippines, Hong Kong SAR, Macao SAR, Chile, Morocco, Peru and Vietnam. Following nationalities can obtain a visa on arrival at the airport: USA, Australia, South Africa, Argentina, UAE, Brazil, Denmark, Finland, France, Germany, Hungary, Italy, Japan, New Zealand, Norway, Poland, South Korea, Switzerland, Taiwan and UK. See details on the conference web site.

Tipping. Major restaurants and hotels add a 21% service and government tax to bills. Where not included, a tip of 10% is satisfactory. Tipping taxi drivers is not mandatory, but "munding up" your fare to the nearest 1,000 rupiah is a good general practice.

Time zones: Indonesia's expansive stretch of land covers three time zones. Jakarta falls in WIB (Western Indonesian Time, 7 hours ahead of GMT). The other time zones are WITA (Central Indonesia Time, 8 hours ahead of GMT), and WIT (Eastern Indonesia Time, 9 hours ahead of GMT). Jakarta is one hour behind Bali and two hours behind the Mollucas and Papua.

CONTACTS

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Email: info@isi-fig.org

Contact person: Ms. Diah Kirana K.

OFFICIAL CONFERENCE WEB SITE

Please visit www.fig.net/jakarta/ for up-to-date information on the conference.

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ORGANIZATION OF THE
UNITED NATIONS (FAO)



MINISTRY OF RESEARCH AND
TECHNOLOGY (RISTEK)
INDONESIA



UNITED NATIONS
HUMAN SETTLEMENTS



THE GOVERNOR OF JAKARTA CITY
GOVERNMENT (DKI), INDONESIA



UNITED NATIONS
ENVIRONMENT PROGRAM
(UNEP)



KEPALA BADAN PERTANAHAN
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INDONESIA



INTERNATIONAL
ASSOCIATION OF GEODESY (IAG)



THE ASEAN FEDERATION OF LAND
SURVEYING AND GEOMATICS
(THE ASEAN FLAG)



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GIS INFRASTRUCTURE FOR
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