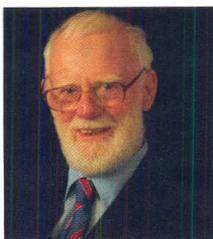


# ICES at FIG

**Working week, Hong Kong  
11–17 May 2007**

*Alan Wright, ICES FIG Coordinator*



**T**HE theme of this working week was the 'Strategic Integration of Surveying Services' and was concerned with building links between surveyors in all parts of the world. It was attended by over 500 delegates from 54 different countries.

There was a large attendance of ICES members from the Hong Kong region and five from the UK. Together they staffed an ICES exhibition stand. The UK members were John Bacon, Richard Hucker, Howard Klein, Gethin Roberts and myself. Andrew Morley had done a lot of the preparation work for the week but, sadly, at the last minute was unable to attend. Richard chaired a special forum that was held to emphasise the inter-relationship of Commission 10 (Construction Economics and Management) with the other nine commissions. FIG president, Stig Enemark, gave an introductory address to this forum.

The organisation of the working week was outstandingly good and it was a huge success thanks to both the Hong Kong team and the FIG office. Winnie Lui in particular was thanked for her efforts.

Dr Gethin Wyn Roberts reported on Commission 6. Seven technical sessions were organised by Commission 6 (Engineering Surveys), with three organised with Commission 3 (Spatial Information Management) and 5 (Positioning and Measurement). The sessions covered:

- Deformation measurement
- Monitoring of large structures

- Subsidence and landslide monitoring
- Engineering applications
- Building information systems and GIS applications (Commission 6 and 3)
- Terrestrial laser scanning I (Commission 6 and 5)
- Terrestrial laser Scanning II (Commission 5 and 6)

In all, 25 technical papers were presented, covering many new and evolving techniques and technologies in the field of engineering surveying.

In addition to this, a Commission 6 meeting was held trying to bring interested parties up to speed with future plans, such as the ICE/FIG working group 6.4 bridge engineering meeting in China in September 2007 and workshop in Udin, Italy in November 2007, as well as the working group 6.1 deformation monitoring meeting in Portugal in 2008.

Gethin Roberts, UK Commission 6 delegate, presented two papers and chaired two sessions. The papers were entitled 'Deformation Monitoring Trials using a Leica HDS3000' and 'Further Results from Using GPS to Monitor the Deflections of the Forth Road Bridge'. Generally the attendance at the sessions was good and better than previous working weeks, with around 30–50 people attending each one.

FIG Commission 10 activities were reported by Richard Hucker and Sara Wilkinson. Ten papers and presentations were made by the UK and Hong Kong ICES members at the working week. The theme that ran through all three of the commission's working groups was the need for commercial management and project management skills to be interlinked with the other nine FIG commissions. This was particularly emphasised during the special forum run by Richard Hucker.

*All papers that were presented at the working week are available from FIG's website w: [www.fig.net](http://www.fig.net)*

Advertorial 

## Keeping Back the Flood Waters

*Mike Norton, Technical Director, Klargester*

**S**TORMWATER run-off and an ever increasing risk of flooding poses a huge challenge for civil engineers and specifiers. Problems associated with increased rainfall and rising sea levels caused by global warming, are exacerbated by demand for housing which is extending urban development onto marginal areas around river valleys. The additional hard surface areas (roofed areas, paths and roads) cause higher volumes of rainwater to flow into the watercourses.

Attenuation systems, including tanks and rainwater harvesting systems, are designed to manage peak flow rates in storms, by attenuating excess flow on site for the duration of the storm and then releasing it at a specified reduced flow rate, after the storm. Along with separators (to remove oil contaminants from discharges), attenuation systems are a requirement under SUDS policy for all town and city developments. However, the UK's current hydrolytic drainage systems are struggling to cope with the extra strain now being placed on them – a fact that was graphically illustrated when half of

northern English cities were flooded recently when two inches of rain fell in one day.

New and hugely expensive systems are being considered by local authorities, who may one day face the unpalatable prospect of streets being turned into flood channels. The controversial Thames Tideway Tunnel, a £multi-billion project for the capital, is one example which, planners hope, will overcome the problem of the city's overflowing sewers.

Meanwhile, the difficulties in specifying local attenuation systems are not helped by the fact that the regulatory requirements are not aligned, which is leading to varying levels of compliance, particularly around water storage.

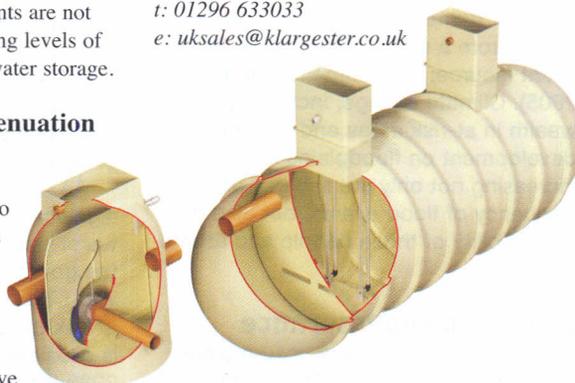
### Klargester stormwater attenuation systems

Klargester's new stormwater attenuation systems are designed to meet both regulatory requirements and manage the additional stresses associated with greater rainfall and local surface runoff. The V3 patented off-line attenuation tanks, for example, have

been hailed as a major step forward by the water industry. They are designed to cope with 2.5 inches of rain falling per hour and feature a unique adjacent storage chamber and integrated pump to manage overflow.

All the Klargester stormwater systems are relatively light (made out of GRP) but still able to sustain heavy structural loading. They discharge into shallow outlet pipes making them both easy and relatively cheap to install. And they have flexibility and easy maintenance built in; the chambers have been designed to join together to meet the differing size requirements of domestic, residential or commercial properties.

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**HONG KONG  
 FIG Conference**

In May, ICES sent a team of delegates led by Alan Wright and John MD Bacon to Hong Kong for the XXX International Federation of Surveyors (FIG) working week 2007 held at the Kowloon Shangri-La Hotel. Our region organised a welcome dinner on 12 May at the United Service Recreation Club to greet the delegates. Along with Alan and John the delegates included Howard Klein, Richard Hucker and Gethin Roberts.

The week was a successful event with over 500 delegates from all over the world. Our ICES delegate, Richard Hucker, chaired the project management panel meeting of Commission 10. Some of our regional members also attended and joined in the panel discussion. ICES also set up a stand at the exhibition hall at the hotel. The HKIS president, Raymond Chan and past president, TN Wong visited our stand and had a brief chat with our immediate past president, John Bacon. To foster further collaboration, our chairman, Andrew Keung, also made use of this special occasion to invite HKIS QSD chairman, Spencer Kwan and immediate past chairman, Paul Ho, to have an informal lunch with John Bacon at the HK Royal Yacht Club. We will continue to follow up John's initiatives. A full report on the FIG working week will feature in September's CES.

**Contractor's Tendering Strategy**

Jointly organised with RICS and HKIS, a CPD seminar in May was presented by John Bacon in the HKIS seminar room at Jardine House. It was supported by the ICES HK Region. John delivered the presentation just a few hours before his departure for the UK. Not only was the function over-subscribed with over 150 in the audience, it was also the first time the three Institutions, HKIS, RICS and ICES, held a joint function in Hong Kong. Once again, many thanks for John's laudable effort.

**CHINCA Training**

In collaboration with the China International Contractors Association (CHINCA), the second senior international engineering management training seminar was successfully held in Beijing from 23-25 May 2007. The seminar was focused on project procurement. Over 50 senior managers from major Chinese construction companies took part in this event. Sincere thanks to our wonderful speakers; Gilbert Kwok and MS Yeung of Li & Partners, Jacob Lam of Northcroft and Dr Paul Ho of CityU. Particular thanks also to John Battersby of the Lighthouse Club who worked with us in this CHINCA training programme. The speakers, Nicholas Brown, Brooke Holden and Bernard Ang of Pinsent Masons greatly contributed to the success of the event through their presentations on PPP and BOT.

During the seminar, our chairman, Andrew Keung, introduced John Battersby to CHINCA and, with the assistance of CHINCA's executive vice director of its expert committee, Qian Wuyun, had a meeting with CHINCA's chairman, Diao Chunhe. We explained the rationale behind our collaboration with the Lighthouse Club in the provision of training for CHINCA. We were very encouraged that Chairman Diao could see a useful role for the Lighthouse Club in facilitating cooperation between mainland Chinese and Hong Kong contractors on overseas projects and how ICES Hong Kong can help provide the platform for this partnership.

Many thanks to the team leader for this event, Miranda Lui, and her team members, Jacob Lam and Honby Chan. Despite all the difficult circumstances at the inception and implementation stage, the event was accomplished with applause from the delegates. Many delegates are now keen to join ICES.

**Coming Events**

Please visit our web page to know more about ICES. We have successfully linked our regional web page with the UK website and that means you can have a closer and direct contact with us via either [www.ices.org.uk](http://www.ices.org.uk) or [www.ices.org.hk](http://www.ices.org.hk)

**August 2007: Professional Negligence**

Presented by Catherine Mun, solicitor, Baker & McKenzie. Time and venue to be determined.

**September 2007: Presentation and Role-play on Mediation**

Presented by the Mediation Council. Time and venue to be determined.



**5th International Conference on Current and Future Trends in Bridge Design, Construction and Maintenance**

Beijing, China PR  
 17-18 September 2007  
[www.bridgemanagement2007.com](http://www.bridgemanagement2007.com)

**9th South East Asian Survey Congress**

Christchurch, New Zealand  
 29 October-1 November 2007  
[www.surveyors.org.nz/congress2007](http://www.surveyors.org.nz/congress2007)

**6th FIG Regional Conference**

San Jose, Costa Rica  
 12-15 November 2007  
[www.fig.net](http://www.fig.net)

**Commission 3 Workshop: Spatial Information in Environmental Management**

Valencia, Spain  
 18-21 February 2008  
[www.fig.net/commission3](http://www.fig.net/commission3)

**13th FIG Symposium on Deformation Measurements and Analysis with the 4th IAG Symposium on Geodesy for Geotechnical and Structural Engineering— Measuring the Changes**

Lisbon, Portugal  
 12-15 May 2008  
<http://measuringchanges.inec.org>

**FIG Working Week and XXXI General Assembly**

Stockholm, Sweden  
 14-19 June 2008  
[www.fig.net/fig2008](http://www.fig.net/fig2008)