

IAEG2006

ENGINEERING GEOLOGY FOR TOMORROW'S CITIES

The 10th IAEG Congress, Nottingham, United Kingdom
6-10 September 2006

First announcement and call for abstracts

The 10th International Congress of the IAEG will be held in Nottingham, United Kingdom, 6 - 10 September 2006, hosted by the Engineering Group of the Geological Society of London. The IAEG2006 Congress will debate the subject of **Engineering geology for tomorrow's cities** within the four-day core of lectures, presentations, discussions and poster sessions.

The 21st Century will see a rapid growth in the world's urban population - which will mean building new cities and enlarging and regenerating old ones. The Congress will discuss and debate the engineering geological issues raised by the development of the urban environment, the impact of environmental change on engineering construction, and practical solutions for the future.

Congress themes

The technical sessions of the Congress will include the following themes:

THE GEOLOGY OF CITIES

Aspects of the regional and local geology (including offshore) that influence planning and development; engineering geological and applied geological mapping

LEGACY OF THE PAST

How past industrial and commercial activity influences current development and construction; abandoned mine workings and excavations; description, classification and mapping of artificial deposits

CLIMATE CHANGE

Effect of climate change on urban development and planning; coastal cities - subsidence and rising sea level

PLANNING AND GEOHAZARDS

All aspects of geohazards that affect cities; hazard and risk assessment; interaction between geoscience and strategic planning, development control and building control

URBAN SITE INVESTIGATION

New methods of investigation; case histories

DERELICTION, POLLUTION AND CONTAMINATED LAND

Pollution of groundwater; assessment of contaminated land; effect on human health and the biosphere; risk assessment

ENVIRONMENTAL URBAN GEOTECHNICS

Sustainable geotechnical engineering for cities; heritage restoration; ground movement

SUBSTRUCTURES & UNDERGROUND SPACE

Tunnelling; development of underground space; groundwater control

GEODATA FOR THE URBAN ENVIRONMENT

Digital information storage and management; provision of outputs to professional and non-professional users; 3D modelling and attribution

INFRASTRUCTURE FOR THE CITY & ITS REGION

Roads, railways, ports, pipelines and other supply networks

RESOURCES FOR THE CITY

Industrial minerals; groundwater; planning vs exploitation conflicts; waste disposal

EDUCATION AND TRAINING IN, & PUBLIC AWARENESS OF, URBAN GEOSCIENCE

Decline of postgraduate training and research in applied geoscience; better public understanding of science; interaction with the media; encouraging strategic inputs from geoscience



IAEG2006

There will be a series of parallel sessions for discussion and debate of Congress themes. Keynote lectures are planned, beginning with IAEG's *Hans Cloos Lecture* and ending with the Engineering Group of the Geological Society's *Glossop Lecture*.

The Congress will also provide opportunities for commercial, industrial and research presentations. These will include exhibition facilities, a demonstration area and space for poster displays.

There will be a full social and accompanying person's programme, and ample opportunity to explore the historic city of Nottingham, and its beautiful surroundings.

Following the Congress there will be a choice of one-day field excursions, and following these, a number of longer trips related to the Congress themes within the UK and north-west Europe.

Call for abstracts

Abstracts of up to 300 words, in English or French, for papers and posters relevant to any of the Congress themes, should be submitted by the end of March 2005 via the Congress web site, www.iaeg2006.com. Authors will be notified by the end of March 2005 and papers will be required by the end of December 2005.

All accepted papers will be published by the Geological Society of London on CD-ROM for the conference. Keynote presentations and summaries of the discussions will be published in a book following the conference. The cost of both publications will be included in the Congress registration fee.

Venue

The Congress will be held in a dedicated Conference Centre on the campus of the University of Nottingham, with nearby accommodation for all delegates.

Who should attend?

The Congress is aimed at engineering and environmental geologists, geotechnical engineers, planners, engineers, scientists, teachers, students and other professionals concerned with urban development, the effects of environmental change on engineering construction, and the implications for risk management in the urban environment.

A reduced registration fee will be available for students. Financial assistance from the IAEG will be available to a limited number of delegates.

Further information

Full details of the Congress can be found at www.iaeg2006.com
The Congress Office can be contacted by e-mail at info@iaeg2006.com
Enquires related to the Technical Programme should be e-mailed to programme@iaeg2006.com

Organising committee

IAEG2006 is being organised by the IAEG UK Section and the Engineering Group of the Geological Society of London with the following Executive Committee:

Professor Mike Rosenbaum (Honorary President)
Dr Jim Griffiths (Chair) - University of Plymouth
Dr Andrew Pitchford (Secretary) - CIRIA
Dr Graham Garrard (Treasurer) - Halcrow Group
Professor Martin Culshaw (IAEG UK Representative) - British Geological Survey

