

PERSATUAN GEOLOGI MALAYSIA

GEOLOGICAL SOCIETY OF MALAYSIA

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TECHNICAL TALK

(Jointly organized by
GSM and SEADPRI-UKM)

Venue: Bilik Seminar
Southeast Asia Disaster Prevention Research Institute (SEADPRI-UKM)
Universiti Kebangsaan Malaysia
UKM Bangi, Selangor [\(map\)](#)

Date: 1 September 2010 (Wednesday)

Time: 2.00 pm – 4.00 pm

Speaker I: **Dr. Brian Marker**
IUGS, UK

Speaker II: **Dr. Martin Culshaw**
IUGS, UK

Title:
Hazard and Risk in Planning for Development in England

Title:
Urban Geology: a UK Perspective

Abstract:
Planning policies in England are subject to sustainability appraisal. Major development applications require environmental impact assessment. Most proposals require site investigation. Hazards are material considerations in preparing policies and determining applications. Available Information includes: databases on various hazards; hazard/risk studies of specific sites; and strategic studies of selected areas. To prepare sound planning policies, planners need information on: the nature, extent and significance of hazards; risk implications of policy and development options; and the implications of change. Developers preparing planning applications require information on the site and its immediate context. But authorities often lack resources to collect and evaluate information. There is a need for better information and methods for dealing with risk.

Abstract:
Urban geology is that component of applied geology that deals with the interaction of people with the geological environment at a city scale. The key to the success of geological investigation and research in urban areas is:

- having an understanding of the needs of users (who, mostly, are not geologists),
- providing information in a form that is relevant to these users, and
- maintaining the information-base in the long term.

Urban geological issues in the UK, and how they were addressed, will be discussed using examples from Wigan (NW England), Bradford (Yorkshire) and Stoke-on-Trent (the Potteries), but particularly from Manchester, NE England and South Wales.

Brief Biographical Information

Dr. Brian Marker obtained his PhD in geology from the University of London. He worked for over 30 years in UK Government Departments responsible for legislation, guidance and research on hazards and minerals planning. He is now an independent consultant. He has also aided the work of IUGS and IAEG Commissions and is currently the co-convenor of a new IUGS Working Group on Dust.

Dr. Martin Culshaw is an independent engineering geological researcher and consultant. He was Director of Environment and Hazards at the British Geological Survey (BGS) and the Survey's Chief Engineering Geologist. He is Visiting Honorary Professor in Engineering Geology at the University of Birmingham and an Honorary Research Associate at the BGS. He is a former Vice President of the Geological Society. He has published over 140 papers, books and articles and over 110 technical reports. He received the Engineering Group of the Geological Society's Award for 1989, the Geological Society's Glossop Medal in 2004 and the E B Burwell Jr Award from the Geological Society of America in 2006. In 2010 he will be awarded the International Association for Engineering Geology and the Environment's Hans Cloos Medal.







Map to SEADPRI-UKM

GPS coordinates @ 2.929299N, 101.78833E

Google-Maps, navigate your browser to <http://tiny.cc/go-seadpri>



From Lebuhraya Utara-Selatan, exit at Bangi Toll (4.7 km – about 7 mins to destination)

1. Exit Bangi Toll and head east, go 650m
2. At the **roundabout**, take the **2nd exit** onto Persiaran Pekeliling, go 950m
3. At the second **roundabout**, take the **3rd exit** onto Persiaran Universiti, go 1.2km
4.  Turn **left** at Jalan Bangi /Traffic Light  (**BEFORE** UKM main entrance), go 950m
5.  Take the 1st **right** onto Jalan Gelanggang (passing Danau Golf Club  on left), go 350m
6. Continue **straight** onto Jalan Syed Nasir, go 550 m
7.  **Slight right** at Lingkungan Johan, go 66m
8.  SEADPRI-UKM is at your **left**