

**PROCEEDINGS OF THE
16TH EXTRACTIVE INDUSTRY GEOLOGY CONFERENCE**

**HELD AT
THE UNIVERSITY OF PORTSMOUTH
8TH TO 11TH SEPTEMBER 2010**

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EDITORIAL

The 16th Extractive Industry Geology conference was held in Portsmouth in September 2010, providing a unique forum for practitioners in the UK minerals sector to meet. In addition to a packed 2 day conference with trade exhibition, field trips to observe clay extraction and manufacturing operations at Michelmersh Brick and Tile Company Ltd, an underground visit to observe the extraction of the Upper Purbeck (Jurassic) evaporites at Brightling Mine, courtesy of British Gypsum and a full day field excursion to the Isle of Wight to visit classic and applied geology sites, were very interesting, varied and well attended. The Spinnaker tower and HMS Warrior provided spectacular locations for the ice breaker reception and the conference meal and with everything combined; the conference was a great success.

A total of 41 oral papers and 6 posters were presented. Of these, 18 of the oral presentations and 3 of the poster presentations are included here as full papers. Edited abstracts for the remaining presentations are also included. The papers have been divided into three main groups to reflect the subject areas published, *i.e.* resources and planning, energy issues and applied technologies.

Opening addresses were given by the EIG 2010 Chairman Colin Comberbach and Paul Hayes, Dean of Science at the University of Portsmouth. Peter Hopson of the British Geological Survey gave the first presentation, a local perspective on the geology around Portsmouth and Southern England. The Ansel Dunham Lecture was given by Geoffrey Walton of PGW&A LLP and Managing Director of Dustscan Ltd. With 40 years experience working in and consulting to the extractive industry Geoffrey gave an objective overview of the changes that have taken place in the last half century in the direct employment of geologists and the associated rise of consultancy, how and why consultants are used, the benefits they can bring, and an area of concern faced by the industry as a whole in relation to employment, namely corporate memory.

A further three keynote presentations were given over the two days, by John Fifer on behalf of the Carbon Trust who opened the session on energy and carbon footprint issues, Ted Rose of Royal Holloway who opened the session on military applications for the extractive industry, a specialist topic chosen because of Portsmouth's related past and present, and Jon Humble of English Heritage who opened the session on regulatory burden. Two other presentations in this session included well received, challenging accounts of trying to work with the Environment Agency and the implementation of the mining waste directive. Other sessions illustrated the diversity of work relevant to professional practitioners and sound operations. Papers ranged from geotechnics, mineral planning, case studies on resources and reserves, quarry restoration and groundwater issues to innovative technologies to improve the perception of mineral sites and to reduce their impact on the surrounding environment.

The Conference was managed by an organising committee with Colin Comberbach as Chairman, Mark Pritchard as Secretary and Graham Smith as Treasurer and other members of the committee comprising Craig Arditto, Simon McCurdy, Anne Smith, Jeremy Elvins, Clive Mitchell, Alan Thompson, Duncan Wardrop, Peter Scott and Geoffrey Walton. A special mention must go to Mike Fowler, local secretary of the organising committee at The University of Portsmouth. The committee were supported by the consultative committee, particularly Adrian Charters, Tom Clifford, Richard Fox and Dave Harrison who retired from the EIG in 2011.

Members of the committees and others who have kindly reviewed the manuscripts prior to accepting them for publication in these proceedings are thanked for their time and effort.

The success of EIG Conferences depends on sponsors for their financial support and assistance at a variety of different levels. On this occasion the sponsors included APS Geoservices, Blast Log, British Geological Survey, Geoplan, GWP Consultants, Hafren Water, Key GeoSolutions, Lafarge Aggregates, McCarthy Taylor Systems, Mineral Products Association, PGW&A, Pleydell Smithyman, SRK Consulting, Tarmac, The Mineral Planning Group and Whittles Publishing. The School of Earth and Environmental Sciences at the University of Portsmouth was a supportive host for the conference.

Attendees at this and any future EIG Conferences may obtain a CD of these Proceedings at a cost of £10, for others the cost is £25. The individual papers are also available at www.eigconferences.com

Editors

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July 2012

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