

IDBE at the Olympics



Anish Kapoor's Orbit Tower sculpture under construction

IDBE 17 enjoyed a trip to the Olympics a year early during the June course week. A fascinating tour of the park and the village was followed by an insider's view of the mega project by Kevin Owens, Design Principal for the London Organising Committee of the Olympic Games and Paralympic Games (LOCOG).

We hope the weather is better in 2012.

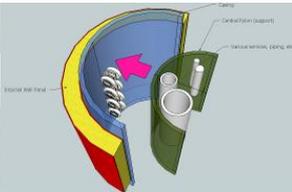
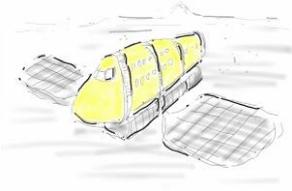
...at BRE...



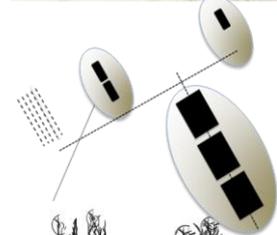
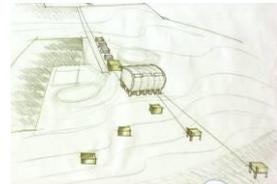
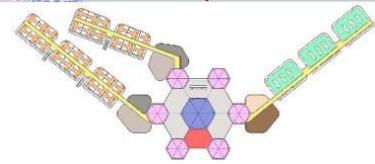
In spite of the coach nearly breaking down en route, the cohort was then treated to a second site visit in the same day, this time to some slightly smaller scale low carbon buildings, at the BRE Innovation Park.

Our enormous thanks to IDBE students Holly Knight and Andrew Waddelove, for inviting us to the Olympic Park and the BRE, and for their fascinating insights into their work at each.

...and in the Antarctic!

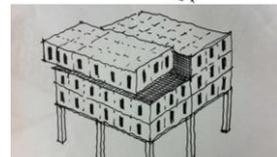


OK, so we didn't *quite* get to go there, but thanks to the British Antarctic Survey's Jill Thompson (Head of Building Services) and Mike Rose (Deputy Project Manager for Halley VI) we were given a detailed insight into where all this fuss about climate change came from, during the March week. A visit to BAS HQ in Cambridge included gripping— and accessible - talks on climate science by Jon Shanklin, who first discovered the ozone hole, and Anna Jones, who heads the Atmospheric Chemistry science programme, as well as a tour of the buildings and the 'garden' where scientific equipment is trialled.



The studio project was to design a new station for Halley. The first picture shows the old Halley V station on the Brunt ice shelf, currently being replaced, and some of the students' inspired designs are shown on the right.

Construction can only be carried out during 12 weeks in the summer, when temperatures rise to -5°C. One of the main design constraints isn't the temperature, however, but dealing with the 1.5m depth of snow which accumulates annually due to blizzards. Inclement weather claims can't quite hold the same weight down there!



Finally, the Ladybird book of Captain Scott. Those of you who were lucky enough to watch Chris Dobrowolski, Artist in Residence at BAS, will understand the reference. Reviews of his evening 'talk' were off the scale – thank you Chris!

Winning Women of Outstanding Achievement



No wonder the IDBE is such an inspiring course; the Engineering Department is led by the 2011 winner of the UKRC Women of Outstanding Achievement Award for Inspiration and Leadership, Professor Dame Ann Dowling. Ann was also in the Times 100 most influential figures in British science.

Another of the seven UKRC award winners, Phebe Mann, was in the first ever cohort of the IDBE. Chartered as a civil engineer, surveyor and builder, Phebe is now a senior lecturer in Civil Engineering, Highway and Transportation at the University of East London. Phebe won the Tomorrow's Leader category.



Where are they now?



Jason Pomeroy IDBE10

Jason graduated with distinction from the Canterbury School of Architecture before taking his Masters at Cambridge. His IDBE thesis

considered the socio-spatial functions of skycourts and skygardens within the vertical city model of the 21st century. He continues to pursue this vein of PhD research.

He joined the London office of Broadway Malyan in 2005 to lead the sustainability agenda, and in 2008 relocated to South East Asia to establish their Singapore office. In 2010, Pomeroy founded Broadway Malyan's Research and Development studio – a specialist group that bridges the gap between academia and professional practice by applying academic research to commercial projects in the interests of sustainability and innovation. Projects of note include the award winning Idea House: the first carbon zero prototype house in South East Asia; Trump tower: the tallest residential tall building in the Philippines; Vision Valley Malaysia: an 80,000 acre Network Garden City extension of Kuala Lumpur; the Green Plot Ratio guidelines: a method that provides a quantifiable ecological measure to landscaping within the built environment, and continued research into the role of the skycourt and skygarden in the urban habitat.

In addition to co-directing the Singapore office, he lectures and publishes, and is the author of *Idea House: future tropical living today*. He is an adjunct professor of University Teknologi Malaysia and Mapua Institute of Technology; and honorary professor of Nottingham University. He also sits on the editorial board of the Council for Tall Buildings and Urban Habitat.

IDBE news

Jeffrey Raven (IDBE14) writes: 'I thought you and our IDBE colleagues would be interested in the workshop in which I'm currently presenting [Climate Science in Urban Design](#) in Manchester. I'll be presenting some of my work in *Cooling the Public Realm: Climate-Resilient Urban Design* ([Resilient Cities](#), Springer, 2011).'

John Harding (IDBE 15) has given a presentation on the subject of [The New Age of the Rail: is the train key to our future vision of place?](#) at the RIBA in May. John spoke about how train stations can meet urban sustainability objectives, and described an 'Urban Lobby' agenda. Contact John at urbanlobby@gmail.com

Mike Parrett (IDBE17) has published his second essay assignment as 'Rubbing salt in the wound' in the RICS Building Surveying Journal, July-August 2011. More details from Mike: michael.parrett@ntlworld.com

IDBE nite life



We'll leave you with a picture of cohorts 16 & 17 enjoying an evening meal in the beautiful Champneys dining hall at Newnham during March....



...and some of the lads in cohort 17 at the Wolfson June event. The theme this year was the Titanic, but the IDBE students were, as always, survivors.



UNIVERSITY OF
CAMBRIDGE

Interdisciplinary Design for the Built Environment

1-5 Scroope Terrace, Trumpington Street, Cambridge CB2 1PX email info@idbe.org www.idbe.org

Course Director Sebastian Macmillan PhD RIBA **Course Deputy Director** Alice Moncaster MA (Cantab) CEng MICE

Course Administrator Becky Stanley

The programme is jointly administered by Departments of Architecture and Engineering at the University of Cambridge. Initiated and funded by the Ove Arup Foundation and supported by the Newton Trust, the Happold Trust, the Panasonic Trust and the Institution of Structural Engineers Educational Trust.