



The Mensa Architectural Technology Day

University of Northampton
Saturday 5th March 2011
10.00am to 5.00pm

The day will include a mixture of presentations and practical activities using current architectural software to show how buildings evolve from initial concepts through to habitable 3D structures. To do this we will range from the roof timbers of a Roman villa through to cutting-edge 3D immersive technology. There will be opportunity to try *AutoCAD*, *Sketchup* and *DesignBuild* software and to see a range of examples of modern design, materials and technology.

The event will take place at the Avenue Campus of the University of Northampton and will be led by the senior lecturer in architectural technology and his team.

The cost is £29.00 per adult or £24.00 per child. This includes exclusive use of the university rooms and equipment, refreshments on arrival and buffet lunch. Families and guests are most welcome. The nature of the activities means that places are limited to 50 participants. Booking deadline is 25th February 2011.

This event is being organised exclusively for British Mensa by **Maruba Events** in conjunction with.....

Architectural Technology Day itinerary...

10.00am-10.30am
Arrival and tea/coffee.

10.30am-11.45am
Computer Aided Design. A mix of presentation and hands-on looking at the development of architectural drawings from blueprints through to modern IT applications with some consideration of structures, materials and professional practice.

11.45am-1.00pm
3D Design Modelling. A mix of presentation and hands-on considering the role of conceptual 3D computer modelling in modern design using *Sketchup* software and renders such as Podium. A range of examples of building designs will also be shown to illustrate various approaches.

1.00pm-1.45pm
Buffet lunch of hot soup, sandwiches and crisps plus juice and mineral water.

1.45pm-2.45pm
Energy In Buildings. A mixed presentation and hands-on session. Energy efficiency is a key environmental consideration in the modern age. This session uses various examples to illustrate how we design buildings using software such as *DesignBuilder* which allows us to mitigate heat loss whilst also using the best materials and renewable technologies.

2.45pm-4.00pm
3D Immersive Technology. Entering the university's state of the art 3D suite we will use 'the wall' to look at various architectural fly-throughs and graphics as one way of experiencing the value of modern technology in assisting with building design.

4.00pm-5.00pm
Roman Villa & Conservation. During archaeological excavation work at Whitehall Roman Villa near Northampton, Roman period roof timbers were discovered in a waterlogged condition. This session makes use of recent analysis of these extremely rare roofing timbers to provide an insight into villa architecture. A significant amount of architectural work is undertaken on historic buildings and this session gives an overview of some famous examples, highlighting key conservation issues.

Architectural Technology Day Booking Form

Name

Address

Phone

Email

Mem No. or tick if guest

Others in party

I would like to book

adult places @ £29.00

child places (under 18) @ £24.00

please indicate number of vegetarians

Total £

I wish to pay by

Cheque payable to British Mensa Ltd

Credit/debit card:

Visa Mastercard Delta

Maestro Solo Switch

Visa Electron

Card number

Name on card

Valid from

Expiry date

Issue no
debit cards only

CSC

the 3 digit code at the end of your signature strip

Signature

Please send to: Architectural Technology Day, British Mensa, St John's House, St John's Square, Wolverhampton, WV2 4AH.

Directions and accommodation options will be sent out with your booking confirmation.

