



Aston University, in the School of Engineering & Applied Science, presents a One-day Course in the Main Building on Tuesday 25 May 2010

Conservation & Repair of 19th & 20th century R.C & steel framed historic buildings & monuments

The UK along with many other countries has an ageing built infrastructure and increasing numbers of 20th century buildings of architectural merit are being awarded historic listed status or are in conservation areas. Engineers, surveyors, building managers, owners and architects are increasingly required to maintain and repair such buildings and other large structures that have been awarded listed status by English Heritage or its equivalent bodies in other countries. This one day course will introduce the principles of conservation and its application to late 19th Century and early 20th century structures and materials with some interesting and high profile case histories from the Course Tutor's project portfolio. This course will be of interest to engineers, surveyors, building managers, owners and architects who are being required to investigate, maintain, repair and conserve such buildings and other large structures.

- 09.00 - 09.45 **Registration**
- 09.45 - 10.15 **Principles of conservation**
- 10.15 - 11.00 **Deterioration processes**
- 11.00 - 11.15 **Coffee**
- 11.15 - 12.00 **Investigation methods**
- 12.00 - 13.00 **Repair Methods**
 - Coatings
 - Masonry and brick repairs
 - Concrete repair
 - Electrochemical treatments
- 13.00 - 14.00 **Lunch**
- 14.00 - 14.30 **Documentation**
- 14.30 - 15.00 **Maintenance**
- 15.00 - 15.15 **Tea**
- 15.15 - 16.45 **Case Histories**
 - Grade I listed wrought iron framed ship
 - Grade II listed steel framed Department Store
 - Grade II* listed terracotta gateway
 - Grade II listed R.C University buildings

Course Tutor: Dr John Broomfield CEng, FICorr, FIMMM
For course availability: Helen Mallinson 0121 204 3593 or Claire Wallis 0121 204 3624 **Fax:** 0121 204 3684
Email: cpd-seas@aston.ac.uk **Website and Mailing Subscription:** <http://www.seas.aston.ac.uk/cpd>
Our courses are intended to contribute towards the CPD requirements of the relevant professional institutions.
Course Organiser: Dr M Sadeghzadeh, 0121 204 3606
Please note the programme is subject to change without prior notice

CODE 31076

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Please send all correspondence to: The Course Secretary, CPD Centre, Room MB180C, ESM, Aston University, Birmingham, B4 7ET

Please reserveplace(s) at the course, (subject to terms & conditions) **Conservation & Repair of 19th & 20th Century Historic - 25.5.10**

Delegate name(s): Company:

Address:

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Post Code: Email Address:Tel:

Have you any dietary, access or other requirements? **YES/NO if YES** please state:

Do you wish to be invoiced? **(CODE 31076) YES/NO** Purchase Order No:

Invoice address if different from above:

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Cost £229 per delegate, covering attendance, papers, lunch and refreshments during the day.
(Cheques should be made payable to **Aston University**). Major Credit Cards are accepted