



Presents a One-day Training Course on Tuesday 9th April 2019

Concrete repairs in 21st Century, Investigation, diagnosis and repair.....

Course Leader: Professor Paul Lambert- Mott MacDonald & Dr Chris Atkins- Mott MacDonald

Who should attend: The course should be attended by contractors, consultants, asset owners

Learning outcomes: Knowledge and appreciation of the deterioration mechanisms likely in concrete, and appropriate repair measures including what they can and can't achieve.

09.00 - 09.30 **Registration**

- 09.30 - 10.45
 - Introduction to concrete
 - What its made of?
 - What is reinforcement is for?
 - What is pre-stressing and post-tensioning?

11.00 - 11.15 **Coffee**

- 11.15 - 13.00
 - What can go wrong?
 - Concrete
 - Casting and placing problems
 - Acid, Sulphates-normal and thaumasite, DEF, ASR, Fire, Frost, Erosion
 - Steel: Corrosion, chloride, carbonation.

13.00 - 14.00 **Lunch**

- 14.00 - 15.30
 - Repair process- to BS EN 1504
 - Investigate-give techniques
 - Come up with strategy- how long do you want?
 - Do nothing but monitor
 - Do something cheap-knock off loose, inhibitors, reinstate, coat
- 15.45 - 16.30
 - CP
 - Galvanic
 - Ongoing monitoring/performance assessment

For course availability: enquiries@astoncpdcentre.co.uk Telephone enquiries: 07780561714

Website & Mailing Subscription: <http://www.astoncpdcentre.co.uk>

Our courses are intended to contribute towards the CPD requirements of the relevant professional institutions.

Course Organiser: Dr M Sadeghzadeh, 07788 947658. Please note the programme is subject to change without prior notice.

For terms & conditions please refer to our website. By completing this form you accept our terms & conditions

..... All correspondence to: Aston CPD Centre, Aston House, 6 Greville Drive, Edgbaston, Birmingham B15 2UU

Please reservePlace(s) at the course, (subject to terms & conditions) **EN 1504 in One Day – 9.4.2019**

Delegate Name(s): Company:

Address:.....

Post Code: Email Address: Tel:

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

Cost **£229** per delegate, VAT exempt, covering attendance, papers, lunch and refreshments during the day.
(Cheques should be made payable to **Aston CPD**)