

January 2018

Corrosion Fundamentals

In Brief:

- The YEP starts with Basics of Corrosion
- The YEP delegates enjoy a networking event after an evening of study

Young Engineer Program

21st February; Welding & NDT, Alan Denney at CB&I in Paddington

21st March; Materials, Sadegh Parvizi at CB&I in Paddington

16th May; Coatings and Linings, Malcolm Morris at CB&I in Paddington
NB The Case Studies will be issued at the May meeting

20th June; Fire Protection, Mike Raynor at CB&I in Paddington

18th July; Cathodic Protection, Trevor Osborne at CB&I in Paddington

19th September; Chemical Treatments, George Winning at CB&I in Paddington

17th October; Risk Assessment, Monitoring and Inspection, John Lilley at CB&I in Paddington
NB There will be discussion on Presentation Skills at the October meeting

8th November; Presentation of the Case Studies and awards evening at Imperial College, London

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By
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The first presentation of The Young Engineers Program (YEP) also start at CB&I in London with an excellent presentation on the Basics of Corrosion by Jane Lomas. The event was opened by Bill hedges of BP and continues through the year with 9 modules including a Case Study which the delegates will present back at the London Branch meeting in November 2018.

The discussion was all encompassing but dealt with the basics of corrosion from first principals;

- Basic Principles
- Anodic and Cathodic Areas
- What Controls Corrosion rates
- Corrosive Environments
- Common Types of Corrosion
 - Pitting
 - Crevice attack
 - Galvanic corrosion
 - Stray current corrosion
 - Stress corrosion cracking
 - Microbially induced corrosion



Jane Lomas presenting Corrosion Fundamentals the 1st of the YEP programs at CB&I

The group enjoyed a networking session after the meeting at a local restaurant courtesy of The Institute of Corrosion.

The next YEP meeting will be Welding and NDT Techniques to be presented by Alan Denney on Wednesday 21st February at CB&I in London.

We are extremely grateful to Jane Lomas and Sadegh Parvizi at CB&I and all the other members of ICorr that give up their time freely to assist our Young Engineers with their career development