In Brief:
- The second of the YEP program
- The YEP delegates enjoy a networking event after an evening of study - Lebanese

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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Welding & Cutting / Non-Destructive Testing
By Alan Denney

The second presentation of The Young Engineers Program (YEP) also at CB&I in London with an excellent presentation on the complexity of Welding & Cutting followed by Non-Destructive Testing. The program continues through the year with 9 modules including a Case Study which the delegates will complete with the help of mentors.

The discussion was all encompassing but dealt with the basics of:
- The basics
- The common arc welding processes
  - Manual welding with covered electrodes; SMAW (MMA)
  - Submerged arc welding; SAW
  - Gas shielded welding; GMAW, (MIG / MAG)
  - Flux-cord arc welding; FCAW, SS-FCAW
  - Gas shielded welding with non-consumed electrode; GTAW (TIG)
- Choice of welding processes
- Cutting
  - Oxy-fuel cutting
  - Air-arc gouging

The lecture continued Non-destructive testing where the scope was:
- Magnetic Particle Inspection
- Liquid Penetrant Inspection
- Radiography
- Manual Ultrasonic Testing
- It did not cover visual inspection which is the most common inspection method

The group enjoyed a networking session after the meeting at a local Lebanese restaurant courtesy of The Institute of Corrosion.
The next YEP meeting will be Materials and Materials Selection to be presented by Sadegh Parvizi on Wednesday 21st March at CB&I in London.

We are extremely grateful to Alan Denney 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.