

# An insight into Concrete Petrography

**FREE Technical Meeting Tuesday 20th March 2018**

**ESLC Building (Building 54 on map), Room B02,  
University of Nottingham, University Park, Nottingham, NG7 2RD  
(Parking on Campus is free after 4:00 PM)**

**6:00 PM for 6:15 PM start**

**The Concrete Society Midlands Region is running a free Technical Meeting offering a one hour taster into the fascinating world of concrete petrography!**

Concrete petrography is an effective technique for investigating the quality, workmanship, durability and defects of concrete. It involves the microscopic examination and description of hardened concrete in the laboratory, using specialised petrological techniques that have been adapted from those used for the study of rocks. One of the benefits of petrography is that the careful examination of a few well-chosen and representative samples can reduce or remove the need for other more expensive test procedures.

This presentation will focus on:

- A brief history of and uses of concrete petrography
- Importance of sampling and sample preparation
- Getting to grips with the nomenclature used in petrographic reports
- Some examples on how petrography is used to assess: mix proportions, presence of additions such as fly ash or GGBS, carbonation, cement type, water/cement ratio, ASR and fire damage.

**Speaker: Phil Raybould (Consultant Petrographer, Enterprise Petrography)**

After a long history in petrography dating back to the 1980s, in 2016 Phil set up Enterprise Petrography, a petrographic consultancy based out of Hednesford in the Midlands and now combines petrographic work with providing quality management support to businesses and working part time as the Quality Manager for Rotech Laboratories Limited, a prominent metals testing laboratory business based in the Midlands.

**Non-members are especially welcome**

**Pre-registration is required to allow entry to this free event.**

**Please email: [regional-events@concrete.org.uk](mailto:regional-events@concrete.org.uk) to ensure your attendance.**

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