**(A Sub-Committee affiliated to the Geological Society Engineering Group)**

**APPLIED PETROGRAPHY GROUP, (APG) TWENTY SEVENTH MEETING: SUMMARY**

1. The 27th APG meeting was held on 19/09/17 in London.
2. Standard BS 1881- 211, Part 3: ‘Procedure and terminology for the petrographic examination of hardened concrete’ was now published. Progression through BSI toward it being accepted as a European Standard was being overseen by APG representative, Mr M. Eden as CEN TC104/SCI convenor and Mr P. Raybould has agreed to assist him as the APG expert.
3. Mr J. Ferrari and Mr M. Eden have now taken up their roles as APG representatives on British Standards Institution committees concerned with concrete (Committees: B/517, B517/1, B/517/1/30) and with aggregates (Committees: B/502, B/502/6).

 4. The APG web-site ([www.appliedpetrographygroup.com](http://www.appliedpetrographygroup.com)) has been updated and will be updated again shortly. New documents are to be added to the members page and a number of forthcoming conferences of petrographic interest will be added to the ‘Events’ page of the web-site.

5. The APG secretary remains the APG representative to the Royal Microscopical Society, (RMS) Physical Sciences Section.

6. The APG inter-laboratory calibration trial of w/c ratio determination in hardened concrete by fluorescence microscopy was now in progress with sets of five sub-specimens distributed to 14 participating laboratories in the UK and Europe. One laboratory had already submitted a set of results.

7. Four technical presentations and discussions were given during the afternoon of 19/09/17. These were:

 **1.** Dr Laugesen (Denmark) discussing the methodology of w/c ratio in hardened concrete and precision of the results obtained.

 **2.**Dr Çopuroğlu (Holland) describing a method using circular polarized light for the determination of Ca(OH)2.

 **3.** Dr Broekmans (Norway) Presented two case histories and their findings as they related to litigation concerns.

 **4.** Mr C. Rogers (Canada) outlined some general considerations and concerns relating to acting as an expert witness in legal disputes.

 Summaries of these presentations will be posted on the ‘Members Documents’ page of the APG web-site.

9. The next meeting will be on 14th February 2018 at the Geological Society, London. Dr Kelly (SLR Dublin) and Dr Sims (RSK Hemel Hempstead) will give presentations relating to the role of the expert witness in litigations and tribunals.

 A. B. Poole (APG Secretary, 2/10/17)