



**RSC** | Advancing the  
Chemical Sciences

# Advances in GC Technology

## 9th November 2011

**LGC Ltd**  
**The Heath Business Park**  
**Runcorn Conference Centre**  
**Cheshire**

**Organised by The Chromatographic Society and the North West Region of the Analytical Division of the Royal Society of Chemistry**

*After the success of the 2009 meeting I am pleased to announce a follow up meeting with a full and exciting topic and speakers program*

*GC is still technique of choice for analysing both volatile and semi volatile compounds, but as we move to more complex and difficult matrices, much is now being asked of the technique in terms of separation and limits of detection.*

*The meeting sets out to look at separation/detection solutions along with case studies from the pharmaceutical, petrochemical, and environmental areas. The program has been designed to give attendee's an idea of the potential of GC for both routine and problem solving analysis.*

**The event has been jointly sponsored by Agilent Technologies and Thermo Scientific**

*An Instrument Exhibition with representatives from Agilent ,ThermoFisher, Anatune, Bruker ,Crawford Scientific, Hichrom, Leco, Perkin Elmer, Phenomenex , Presearch Shimadzu, Thames Restek*



**Agilent Technologies**

**Thermo**  
SCIENTIFIC

**For more information please contact Alan Handley.**

**Tel 01928 513681 e-mail :alan.handley@lgc.co.uk**

## Advances in GC 2011 – Topics and Speakers

1. 09:15- 09:50      **Registration ,Coffee and Exhibition**
2. 09:50-10:00      **Opening and Welcome**  
*Alan Handley LGC Ltd*
3. 10:00-10:30      **“The role of Sample Preparation Techniques to advance detection limits in GC”**  
*Hans-Gerd Janssen   Unilever and University of Amsterdam*
4. 10:30-11:00      **“Characterisation of non soluble samples by Pyrolysis GC- MS”**  
*Bart E. van Dongen   University Of Manchester*
5. 11:00-11:40      **“Cryogenic Zone Compression Gas Chromatography coupled to High Resolution Mass Spectrometry (CZC GC-HRMS) - driving sensitivity for trace contaminants to the attogram level”**  
*Dirk Krumwiede   Thermo Fisher Scientific (Bremen).*
6. 11:40 – 12 20      **“A Matter of Taste.... Flavour profiling by GCxGCMS”**  
*Diane Turner   The Open University*

### Exhibition and Lunch

7. 14:30 -15:00      **Developments in Quantitative Headspace GC Analysis**  
*Ray Perkins                      Anature*
8. 15:00- 15:30      **Productivity & Efficiency Improvements of GC analysis**  
*Karen Rome                      Astra Zeneca*
9. 15:30-16:00      **The Challenges in Columns Selection In GC**  
*Jaap de Zeeuw                      Restek*
10. 16:00- 16:30      **The Application of ionic Coated GC Columns in the Analysis of Fuels and Lubricants**  
*Sam Whitmarsh                      BP (Pangborne)*
11. 16:30              **Close of meeting**

**Registration Fee: All Sessions, Exhibition, and Lunch**

Members of either The Chromatographic Society, RSC or BMSS	<b>£60</b>
Non Members	<b>£80</b>
Students* and Retired	<b>£10</b>

*\*Student bursaries are available please contact Alan Handley*

**Please register me for the meeting “Advances in GC Technology “**

A remittance of £..... is enclosed as registration free for the meeting.

Cheques should be made payable to **RSC Analytical Division North West Region.**

Payment may also be made by **BACS transfer to Barclays Bank, Wellsprings Branch, Victoria Square, Bolton, BL1 1HG: Account No 80799297, Sort Code 20-10-71**

**The Region is not registered for VAT and so VAT invoices cannot be issued. Payment cannot be accepted by Credit or Debit card.**

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I would like travel directions (  ) I would like details of accommodation in the area (  )  
I would like to apply for a student bursary (  )

**Please return this form with cheque or bank transfer details to**

**Alan Handley  
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e-mail [alan.handley@lgc.co.uk](mailto:alan.handley@lgc.co.uk)**

**Note: Please tick if you have any objection to your name and address being included on the Analytical division –NW Region Database (secure database used for direct mailing of information about forthcoming meetings-information not supplied to other parties).Support details being included on a database (.....)**