

RESTEK SEMINARS

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SPRING 2012 - LONDON, EDINBURGH and BRADFORD



CAPILLARY GC FOR THE 21st CENTURY

Presented by Jaap De Zeeuw - Restek Corporation

Only £125.00 per delegate

Early applications are advisable as these courses are extremely popular. Full booking details inside.



Jaap is a world-renowned authority on every aspect of capillary chromatography, and has been directly involved in the design of the latest state of the art capillary GC columns.

Since his graduation in 1979 on the paper “Fused Silica Capillary Column Technology”, Jaap de Zeeuw has distinguished himself as a keen and resourceful authority on every aspect of capillary column technology.

Jaap has worked in a variety of research & specialist roles in chromatography; he has developed and characterized new stationary phases as well as created unique applications for demanding separations. He has published many technical papers on capillary column technology and related applications.

The last 5 years, Jaap has been active as an international specialist in GC for Restek Corporation, dealing with product development, applications & marketing. Jaap has conducted many seminars, workshops & presentations at international symposia.

Jaap is an entertaining speaker and as places are limited it is advisable to book early to secure your place

Programme

- 9:30 Registration & Coffee
- 9:45 Opening Comments and Introductions
- 10:00 Injection techniques in GC
- 11:30 Coffee Break
- 11:45 Improving Trace analysis: Maximizing sensitivity by minimizing the noise and background in GC and GC/MS
- 1:00 Lunch
- 1:45 Reduction of analysis time in GC using existing instrumentation.
- 2:45 GC-Trouble shooting
- 3:30 Coffee Break
- 3:45 GC-Trouble shooting cont.
- 4:15 Q&A, Closing remarks and comments

Injection Techniques in GC

Includes an overview of the different injection techniques commonly used in capillary GC. This presentation covers in detail the application and limitation of the Split, Splitless, On-Column, Large Volume, PTV and Headspace techniques. Also, the design and application of the different types of liners will be discussed.

Improving Trace analysis: Maximizing sensitivity by minimizing the noise and background in GC and GC/MS

Increased background signal is one of the most common problems associated with capillary GC particularly as low levels of detection are demanded by many of today's applications. Optimising the signal to noise ratio is vital and this talk looks at practical ways of reducing sources of background interference. Inertness is a key part to producing symmetrical peaks and lots of practical issues will be discussed in order to help you do this.

Reduction of analysis time in GC using existing instrumentation.

Analysis time can be reduced in many ways using existing hardware. This talk will discuss the different options available. Resolution is the key and by the end of this presentation you will have practical ideas to allow you to change settings or columns to get shorter run times.

Troubleshooting in GC: Tips and tricks how to recognize GC troubles by looking at the chromatogram.

The chromatogram is like a fingerprint and by looking at the retention times, the peak shape, the area response it will tell us a lot about possible problems that we have to deal with. Again, full of practical tips to take away with you.



YOU SHOULD ATTEND THIS SEMINAR IF...

- You are an analyst working with GC or GC/MS
- Your laboratory operates GC or GC/MS
- You develop or troubleshoot GC methods
- You need to improve your resolution & sensitivity
- You need to separate critical components & isomers
- You do high temperature GC work
- You want to learn more about capillary GC!

This is an opportunity NOT TO BE MISSED.

Venues 2012
LONDON, EDINBURGH & BRADFORD

The courses run from 09.30 to 16.30 (approx.) and include all course material, lunch and refreshments.

Enrol 4 or more people and get a 20% discount

Book by: Phone on 01494 563377
Fax form to 01494 564990
Email: maggie@thamesrestek.co.uk
Book on-line at www.thamesrestek.co.uk

BOOKING FORM

Please complete all sections of the booking form

Venues Capillary GC Seminars

Ref.No	Course Venue	Date	Price Ex. VAT	No. Seats
GC1215	Ramada, London Hyde Park	24th April 2012	£125.00	_____
GC1217	Edinburgh Carlton Hotel, Edinburgh	25th April 2012	£125.00	_____
GC1219	Cedar Court Hotel, Bradford	26th April 2012	£125.00	_____

Please reserve place(s) Date:

Course Location:

Please invoice my company using:

Purchase Order No

alternatively: Enclose cheque for £125.00 + VAT per person with booking form made payable to Thames Restek UK Ltd.

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Organisation

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Enrol 4 or more people and get a 20% discount

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