

Course Lecturer – Tim Trigg

Tim is Business Development Director for DOP Solutions Ltd, a technically based instrument and training company focussed on delivering solutions for all HEPA filter systems and cleanrooms. Tim's recent career history spans 14 years with GlaxoSmithKline, based in the UK. During this period his experience has developed in operational functions of QA/QC, engineering, production and business process (lean sigma). He holds qualifications in Engineering and Pharmaceutical Sciences, and is a member of the UK Institute of Healthcare Engineering and Estates Management and the Institute of Operations Management. He directed GSK sterilisation practices as an Authorised Person (APS) and spent many years focused on developing and managing validation standards for cleanroom facilities to FDA and MHRA standards (ISO). During this part of his career he supported the UK BSI committee develop ISO14644 for test methods for clean environment validation. He has developed validation standards, policies and procedures for all processes from pharmaceutical microbiology, sterilisation, engineering and utilities, and production control.

The course was written and devised by Bill Whyte

Bill Whyte is a former Research Fellow at Glasgow University. He has been involved with cleanrooms for over 35 years and has the useful qualifications of a BSc in microbiology and a DSc in mechanical engineering. He has published over 120 reports and papers on contamination control and cleanroom design. He has edited a book 'Cleanroom Design', published as a second edition in 1999, and wrote the book 'Cleanroom Technology – the Fundamentals of Design, Testing and Operation', published in 2001. He is a member of British and International standards committees writing the new International Cleanroom standards. He has extensive experience as an industrial consultant.

Lecture Course and Exam

The lecture course and exam will be held at the Carnegie Court Hotel just north of Dublin in Swords. It is an easy hotel to get to by air or road. Instructions will be sent with confirmation of the booking.



**Are you a Cleanroom professional ?
Can you prove it?**

Now is the time to register for the

**CTCB CERTIFICATE IN
ADVANCED CLEANROOM
TECHNOLOGY**

2010

Can you prove you are a Cleanroom Professional?

Have you the knowledge and expertise to claim to be a cleanroom professional? This you can prove through study and certification by the respected CTCB (Cleanroom Testing and Certification Board), set up by the S2C2.

The Cleanroom Technology certificate will demonstrate that you have a broad knowledge of all aspects of cleanroom technology i.e. how cleanrooms are designed, tested and run. This course is open to those with at least one years expertise in cleanrooms and involved in production, contamination control (especially those responsible for training), and designers, testers and vendors. The course covers the following:

Basic design principles

Necessity for cleanrooms
History of cleanrooms
Types of cleanrooms
and workstations
High efficiency filtration

Specification and Validation

Cleanroom standards – FS209,
ISO 14644
Pharmaceutical standards
Validating and monitoring a
cleanroom

Cleanroom Clothing

How cleanroom clothing works
Correct attire
Gloves and masks

Cleanroom Practices

Cleanroom disciplines
Entry Procedures
Cleaning practices

The course is set up in a distance-learning format. The student must learn the facts contained in the book 'Cleanroom Technology - the Fundamentals of Design Testing and Operation', written by Bill Whyte. They will then establish their knowledge by use of a set of questions and answers on which the student's exam is based. The student must then attend a one day revision course, and sit the written exam at the end of the day. The course is now accredited internationally through the ICEB (International Cleanroom Educational Board)

More information about the course at: www.cleanrooms-ireland.ie

The 2010 course and exam in Ireland will be held on:

**Wednesday 24 March 2010
at the
Carnegie Court Hotel ,Swords, Co. Dublin**

APPLICATION FORM

Cleanroom Technology Course & exam – Wednesday 24 March 2010

Please reserve places for the following people:
(Note. Bookings will not be accepted without appropriate funds or a Company PO.)
Name(s):

Company:

Address:

Tel:

Email:

Purchase Order No.:

Send invoice to (if different from above):

Credit Card details _____ Expiry _____

Email address required for credit card payment

Cheque for £ attached

Price per delegate (inc. lunch and tea/coffee) is €595

Non-members of the ICS will be required join the Society at a cost of €60.00

All bookings will be confirmed by 1 March 07. After this date the fee is not refundable

Please return to CTCB Co-ordinator, Fernie Technical Services ,
Tawin Maree ,Oranmore Galway .
Tel 091 790693 Fax 091 790694 email :emat@iol.ie

Registration Form for CTCB Certification for Cleanroom Technology

1. Name:
2. Company:
3. Correspondence Address:
Tel: _____ Fax: _____ Email: _____
4. Present position in your firm:
5. How many years experience have you within cleanrooms? A minimum of one year is required at the time of sitting the exam. Please supply names and address of two referees who can confirm your experience.
6. Educational details at school, college or university (with any information on certificates received):
7. Is there anyone in your firm who can act as an in-house tutor and assist you in your exam preparation? This person is likely to have at least 5 years' experience. If so give their name and address.
12. The ICS takes great care to ensure that examinations are conducted in a fair and legitimate manner. The Examination Board will advise unsuccessful candidates, <i>at their discretion</i> , where they have failed to meet the expected examination requirements. Unsuccessful candidates may appeal the examiner's decision in writing. However details of examination decisions are confidential and remain privileged information restricted to the Examining Board. The Examining Board's decisions are final and no correspondence can be entered into. All candidates registering for this course are deemed to have understood and accepted these conditions and to undertake to study the course materials diligently. I consent to my name and photograph being included on the ICS website of successful candidates Please sign to confirm you have read and accepted these conditions
Office use only: Accepted by: Inv. No. Course notes sent:

CTCB Coordinator Ireland , c/o Fernie Technical Services , Tawin Maree, Oranmore, Galway

Tel 091 790693 , email emat@iol.ie