

“Comprehensive course
with exceptional expertise
representative of both
academic and industry
environments.”



Industrial Air Pollution Monitoring

Monday 2 – Wednesday 4 March 2026



For full course details or to
register visit the course website
at: tinyurl.com/IAPM-2026



Industrial Air Pollution Monitoring

Monday 2 – Wednesday 4 March 2026

About the course

If you are involved in industrial air pollution monitoring, in whatever capacity, you'll know that it is a complex and challenging topic with:

- a technically difficult measurement process with many pitfalls for the unwary
- an evolving management and legislative context
- and a continually expanding range of documentation from different sources.

During day one we will focus on general management issues, including legislation, compliance with authorisation conditions, quality assurance and control. You will hear perspectives from all sides – regulators, industrial process operators and contract source testing organisations. On days two and three we will focus on measurement and analytical techniques. We will cover gaseous and particulate emissions and discuss both extractive sampling and in-situ methods. The course also includes a workshop on calculation methods which is relevant to everyone involved in emissions monitoring.

Presentations will include coverage of:

- The MCERTS scheme for instruments, organisations and personnel
- Quality assurance and instrument performance
- Operator and test-house monitoring
- The latest on important EN standards
- Principles of the common instrumental techniques
- Gas sampling and sample conditioning
- Calibration
- Particulate sampling – manual and instrumental
- Methods for volatile organic compounds
- Methods for trace species such as dioxins and heavy metals
- Calculation of Measurement Uncertainty

Course aims

During this three day short course you will gain a broad overview of the whole subject. The course will be suitable if you need an introduction to the field or wish to update your knowledge. You will also have the opportunity to meet providers of equipment and services. For stack testers requiring personal certification under the Environment Agency's MCERTS scheme the sessions on day one are particularly relevant to MCERTS level 2 (team leaders) and day two is particularly relevant to MCERTS Technical Endorsements 1 (particles), 2 (trace species), 3 (manual methods for gases) and 4 (instrumental methods for gases). Day three is of interest to anyone with responsibility for continuous emission monitoring systems (CEMs).

Who should attend

This course is relevant for all those with an interest in industrial air pollution monitoring and will be particularly useful for:

- Environment managers
- Environmental consultants
- Regulatory Officers from Environment Agency, SEPA or NRW
- Control and instrumentation specialists
- Contract testing engineers
- Works chemists or engineers with responsibility for emissions compliance
- Operators of plant subject to EPR regulation

Course Directors

Dr Hu Li, School of Chemical and Process Engineering,
University of Leeds

Simon Medhurst, Smedstack Environmental

What our previous delegates say:

“Great and informative introduction to pollution monitoring in the permitting industry.”

“This course has been thorough and well laid out. I left feeling confident that I am up to date with industrial air pollution monitoring requirements and available technology.”

Monday 2 March 2026

09:00 Registration and coffee

09:30 Welcome and Introduction
Dr Hu Li,
University of Leeds and
Simon Medhurst,
Smedstack Environmental

The regulatory framework and management of emissions monitoring

**09:45 Emissions monitoring under the
Environmental Permitting
Regulations (EPR)**
Simon Tweddle,
Environment Agency

**10:30 The Environment Agency's
Monitoring Certification Scheme**
Simon Medhurst,
Smedstack Environmental

11:15 Coffee

**11:30 Management of contract
emissions testing**
Simon Medhurst,
Smedstack Environmental

Operator monitoring

**12:15 The quality assurance of
Continuous Emissions Monitoring
Systems to EN14181**
David Graham,
Technical Consultant, formerly of
Uniper Technologies Ltd

13:00 Lunch

**14:00 The Operator Monitoring
Assessment Scheme (OMA)**
Simon Tweddle,
Environment Agency

**14:45 Power industry regulation and
emissions monitoring**
David Graham,
Technical Consultant, formerly of
Uniper Technologies Ltd

15:30 Tea

**15:45 The monitoring of Energy
Recovery Facility (ERF) emissions**
Stewart Davies,
WRC Group

Safety management

**16:30 Safety management for emission
monitoring – the importance of
risk assessment**
Simon Medhurst,
Smedstack Environmental

17:15 End of day one

Tuesday 3 March 2026

08:45 Coffee

09:00 Introduction to day two
Simon Medhurst,
Smedstack Environmental

Periodic Measurements – Manual and instrumental methods for particulates and gases

**09:10 Stack flow rate measurement to
EN ISO 16911**
David Graham,
Technical Consultant, formerly of
Uniper Technologies Ltd

**09:55 Measurement of particulate
emissions by extractive sampling**
Dan Jones,
Uniper Technologies Ltd

10:40 Coffee

**10:55 Monitoring activities at a chemical
manufacturing site**
Jonathan Clark, Syngenta

**11:40 Sampling and analysis of trace
species**
Mark Elliott,
Element Materials Technology

12:25 Lunch

13:25 Odour sampling and analysis
Alex Claridge-Ingham,
Olfasense UK Ltd

**14:10 Periodic sampling methods for
gases**
Paul Adamczyk,
Alkali Environmental

14:55 Tea

Calculations

**15:10 Calculations of uncertainties in
stack monitoring**
Rod Robinson,
National Physical Laboratory (NPL)

15:55 Emissions Calculations
Dr Hu Li,
University of Leeds

16:55 End of day two

19:00 Course dinner – Leeds City Centre

Wednesday 4 March 2026

08:45 Coffee

09:00 Introduction to day three
Simon Medhurst,
Smedstack Environmental

Continuous Emissions Measurement – Instruments, design, calibration for gas and particulates analysis

**09:10 Understanding instrument
performance standards**
Richard Harvey,
National Physical Laboratory (NPL)

**09:55 Calibration of gaseous emission
measuring systems**
Dr Brian Moyle,
formerly of Servomex Group Ltd

10:40 Coffee

**10:55 Design of sampling systems for
emissions monitoring**
Dr Brian Moyle,
formerly of Servomex Group Ltd

**11:40 Optical analysers for extractive
gas analysis systems**
Dr Hu Li,
University of Leeds

12:25 Lunch

**13:15 Continuous particulate monitoring
technologies**
Harry Turner,
Durag UK

**14:00 Design and application of FTIR to
monitoring pollutants**
Dr Andrew Dixon,
Gasmeter Technologies UK

15:00 Tea

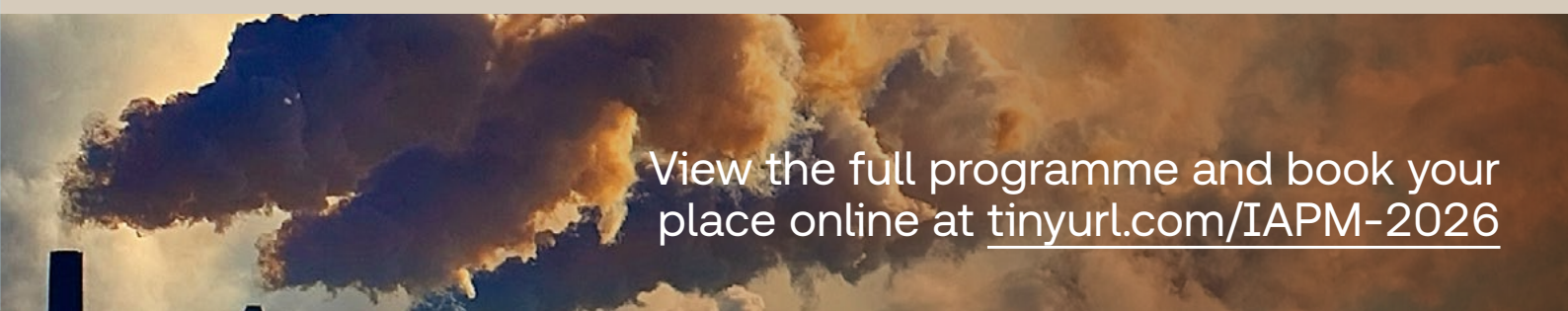
Data reporting and NOx abatement

**15:15 Data acquisition and reporting
– principles and practice
(EN17255)**
George Forster,
ENVEA UK

**16:00 NOx abatement and reductions
for boilers and furnaces**
Dr Hu Li,
University of Leeds

16:45 End of day three and course

While every effort will be made to deliver the programme as advertised, we reserve the right to make minor changes if circumstances beyond our control require it.



View the full programme and book your
place online at tinyurl.com/IAPM-2026

Further information

Course Fees

The following course fees include the cost of tuition, course materials, lunches and light refreshments for the days of attendance:

Full three days **£1,175** (VAT Exempt)

Delegates are responsible for their own evening meals except on Tuesday 3 March when the course dinner is included.

Venue

The course venue will be Weetwood Hall Estate which offers first-class hotel facilities, a business centre and ample parking facilities. Weetwood Hall Estate is ideally situated 15 minutes north of the centre of Leeds. Further details can be found at www.weetwood.co.uk

Accommodation

If you require accommodation, and wish to stay at the course venue Weetwood Hall Estate please contact Stevie Standerline E: reservations@weetwood.co.uk / T: 0113 230 6000 quoting 'CPD' and the 'Industrial Air Pollution Monitoring' course.

Bedrooms are subject to availability with free of charge cancellation 48 hours prior to arrival:

Friday – Sunday – bed and breakfast **£123**

Monday – Thursday – bed and breakfast **£127**

Rates are per night for sole occupancy in a double room and inclusive of VAT.

Course dinner

The course dinner will be held at a Leeds city centre restaurant and is included in the course fee. This will take place on Tuesday evening and transport from and to Weetwood Hall Hotel is provided. The dress code is smart casual.

How to Book

Please book your place for this course through our secure Online Store, using debit or credit card, following the instructions below:

1. Visit our Online Store at: <http://store.leeds.ac.uk>
2. Select Conferences and Events in the left-hand navigation bar and 'CPD Faculty of Engineering and Physical Sciences'
3. Select the relevant course, click on 'Book Event' and complete your booking details

You will receive an automatic confirmation email within 24 hours of your booking.

Get in touch

Katie McCarthy - Course Coordinator
CPD, Conference and Events Unit
Faculty of Engineering and Physical Sciences
University of Leeds

T: +44 (0)113 343 5746

E: cpd@engineering.leeds.ac.uk

W: <https://eps.leeds.ac.uk/short-courses>

 [CPD, Conference and Events Unit, University of Leeds](#)

Terms and conditions for booking

Payment

Payment by debit/credit card should be made at the time of booking via the Online Store. If for exceptional reasons you are unable to book and pay online a purchase order document will be required to support a manual booking process. Our standard payment terms are 30 days from date of invoice however payment must be made prior to attendance. Attendance may be refused if payment has not been received.

Changes made by the University of Leeds

The course programme may have to be re-scheduled or the speakers changed for reasons outside our control. The University of Leeds reserves the right to cancel or postpone a course, in which case fees will be refunded in full. In the event of cancellation, the University will not be held liable for delegates' travel or accommodation expenses.

Where a delegate cancels a registration

For cancellations made within seven days of booking: a full refund is payable unless the course starts within the next seven days, in which case the full fee is payable and no refunds will be made.

For cancellations made after seven days of booking: written cancellations

received up to 15 working days before the course will be subject to an administrative charge of 20% of the total fee. Within 15 working days of the course the full fee is payable and no refunds will be made.

For non-attendance: the full fee is payable and no refunds will be made. Appropriate course materials will be sent to the registered delegate.

In the event of cancellation, the University will not be held liable for or refund any incurred travel or accommodation expenses. Substitutions may be made at any time.

Data/Privacy

Your right to privacy is important to us. We will only use your information to provide information on our CPD courses and relevant events. We will not pass your details on to any other organisations. The ways in which your personal data may be used when you provide it to us are defined in our Privacy Notice at <https://eps.leeds.ac.uk/privacy>.

If you have opted in to receive details of future CPD courses from us you can unsubscribe at any time by emailing us at cpd@engineering.leeds.ac.uk and your details will be removed from our database.