

APACT 25 Conference

**Advances in Process Analytics and
Control Technologies
2025 Conference**

Call for Papers

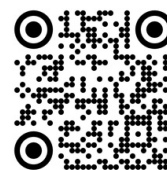
Tuesday 23rd - Thursday 25th Sept 2025

(pre-conference courses will be held on Monday 22nd Sept)

Hilton Glasgow, 1 William Street, Glasgow G3 8HT, UK



CPACT



What is CPACT?

The Centre for Process Analytics and Control Technology (CPACT) is the leading “community of practice” devoted to the development and use of advanced process monitoring and control techniques. CPACT’s mission is to enable the application of intelligent measurement and control technologies in the process industries through research, knowledge exchange and training. It supports scientists and engineers working in process analysis, chemometrics and statistics, and process modelling and control through unique cross-sector cooperation. The current worldwide membership includes academic and research institutes, manufacturers in the pharmaceutical, chemicals, biochemical, oil/petrochemicals, food and materials processing industries, analytical vendor companies, and control system solution providers. Please visit our [website](#) for further details.

APACT 2025

CPACT is pleased to invite participation in APACT 25 Conference to be held at the Hilton Glasgow, UK on 23-25th September 2025 with pre-conference courses on 22nd September.

The safety, environmental, sustainability and financial benefits of advanced process analysis, modelling and control have never been more important to the pharmaceutical, chemicals, materials, oil/petrochemicals, biotechnology and food industries, and many others. APACT focuses on technological advances that can make a real difference to the process industries.

APACT 25 will feature:

- Invited Keynote and submitted talks
- Posters (including a prize for best poster)
- Flash poster presentations
- Exhibitors Showcase sessions (unique format to APACT)
- Welcome reception
- Conference dinner
- Inclusive social activity
- Pre-conference courses



Quotes from previous attendees of APACT events:

“Attending APACT has significantly broadened our network and deepened our understanding of process analytical technologies. APACT has been instrumental in connecting us with industry leaders and fostering valuable discussions that have driven our work forward”

“The APACT events are always insightful, full of exciting new technology and lots of fun.”

“APACT has been a fantastic opportunity to create interactions between industry and academic groups, which are easily catalyzed into longer-term relationships and projects thanks to CPACT.”

Who should attend?

- Senior managers, scientists and engineers in the process industries.
- Academics specializing in analytical science, multivariate data analysis, process modelling, control technologies and other related disciplines
- Companies that develop and market products for process analysis, data analysis and modelling and control

Invited Keynote Speakers

Keynote speakers will include:

- M. Nicolas Cruz B., Technische Universität Berlin, Germany
- Puneet Mishra, Wageningen Food and Biobased Research, The Netherlands
- Thomas Vent-Schmidt, Syngenta Crop Protection AG, Switzerland
- Louise Wright, National Physical Laboratory, UK

Call for Papers

Papers may be submitted for oral or poster presentation on any topic relevant to process analysis and control, in-process measurements, data analysis and process modelling.

The themes of APACT 25 are:

- Advances in process analysis technologies
- New methodologies in data analysis and modelling
- Advances in process engineering modelling and control
- Digitalization in process manufacturing
- Sustainability and the circular economy
- PAT in the context of regulated industries



Some example topics for each theme are given below, although the list is not exhaustive:

Advances in process analysis technologies - Example topics include:

- Advances in sampling technologies
- Optimization of sampling protocols
- In-line/on-line/non-invasive analysis techniques
- Imaging and image analysis
- Miniaturization of analysers/sensors and sensor networks
- Process analytical aspects of robotics
- Real-time monitoring of bioprocesses

New methodologies in data analysis and modelling - Example topics include:

- Advances in process statistics and chemometrics
- Calibration-free methods
- Calibration model maintenance and transfer
- Data mining

Advances in process engineering modelling and control - Example topics include:

- Digital twins
- Process performance monitoring
- Predictive and hybrid modelling
- Process control and optimization
- Soft Sensors

Digitalization in process manufacturing - Example topics include:

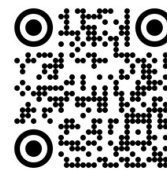
- AI and cyber security
- Data systems and standards for assured manufacturing quality
- Impact of AI/ML on process analysis and control
- Integration of analytics for autonomous process control
- On-line process diagnostics

Sustainability and the circular economy - Example topics include:

- Analytical challenges in alternative fuels
- Advances in measurements supporting net zero
- Role of process measurements and process modelling in waste reduction and re-use
- Whole systems modelling - from supply chains to customer

PAT in the context of regulated industries - Example topics include:

- Engagement with regulators on the role of PAT in manufacturing
- Opportunities for advanced control/AI in regulated industries
- Example case studies



Submission of Abstracts

Abstracts (maximum **500 words**) should be preferably submitted on-line at www.apact.co.uk or e-mailed to admin@cpact.com by 14th March 2025.

If sending via email, please indicate if an oral or poster presentation is preferred and submit using the following format:

Title - Arial 14 pt, bold, centred, 1.5 line space

Author details - Authors (please underline the presenting author), Organisation, Country, Email address

Main text - Arial 12 pt, fully justified, 1.5 line space.

Opportunities for Vendor Companies

APACT will have an Exhibition of equipment and software from Vendor companies during the conference.

APACT will also feature the unique and highly enjoyable Exhibitors Showcase for vendors to highlight recent product developments, with a prize for the best performance!

The Exhibition and Exhibitor Showcase are central features of the APACT conference with specific times set aside for exhibition attendance.

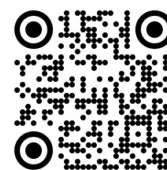
Sponsorship

Sponsorship opportunities are also available including the poster prize, conference drinks reception, conference dinner, and student bursaries. Companies may also wish to sponsor a session or a Keynote speaker.

Full details on **Exhibition** and **sponsorship** opportunities can be found on www.apact.co.uk and any interested companies should contact administration team on admin@cpact.com

Student Scholarships

Student scholarships are available to help academic researchers attend the conference. Scholarships will cover the registration fee and two nights stay at Hilton Glasgow. Presentation of a talk or poster is a pre-requisite of gaining a scholarship.



Pre-conference courses

The following courses will take place in parallel on Monday 22nd September at the Hilton Hotel:

- Near-infrared hyperspectral imaging for quality assessment of tablets, powders and lyophilized products - **Organised by Indatech**
- Non-linear Machine Learning for Calibration and Classification” - **Organised by Eigenvector**
- NIR PAT Fundamentals - **Organised by Sentronic**

Details of the topics covered in each course will be available soon. Fees are £300 for those attending the APACT conference and £500 for those attending a course only.

Important Dates

Registration opens - 6th January 2025

Deadline for submitting abstracts - 14th March 2025

Notification of acceptance - 4th April 2025

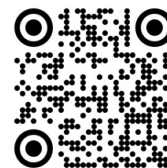
Final programme issued - end of April 2025

Registration deadlines:

Early bird registration discount - before 21st June 2025

Last date for registration - 8th September 2025

Accommodation - to be reserved by 21st June 2025



Registration Fees

The conference registration fees include:

- Tea/coffee and lunch during the three days of the conference
- Welcome Reception on Monday 22 September
- Dinner on Tuesday 23 September
- Special Gala Dinner on Wednesday 24 September
- Refreshments during the Exhibitors Showcase sessions
- Inclusive social activity on Tuesday 23 September

Early Bird - Registration Deadline - 21st June 2025

CPACT Members - £950

Non-members - £1250

Student Discounted Registration Fee (student ID will be required) - £450

Registration after 21st of June 2025

CPACT members - £1200

Non-members - £1500

Student Discounted Registration Fee (student ID will be required)- £550

Exhibition fees

CPACT members - free

Non-members - £2250 (including one registration)

Pre-conference courses fees:

Course registration if attending the conference - £300

If attending pre-conference course only - £500

To register please visit www.apact.co.uk

Please note that when you register at the on-line shop, you will be asked to pay in GBP.



Accommodation

We have secured a preferential rate of £200 B&B at **Hilton Hotel**. To book your room directly with the hotel, please visit **Hilton Accommodation**. Please note only rooms booked by 21st June 2025 will be guaranteed at this rate and bedrooms will be subject to availability.

Other hotel options close to the Hilton Hotel are as follows:

- [Marriott](#)
- [Dakota](#)
- [Ibis Styles Glasgow Central](#)
- [Hotel Indigo](#)
- [Sandman Hotel](#)
- [Radisson Blue](#)

Conference venue

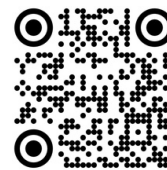
Hilton Glasgow, 1 William Street, Glasgow G3 8HT, UK

Travel to the venue

- By train: Anderston Station or Glasgow Central Station (ScotRail). [National Rail Journey Planner](#)
- By bus: There is an excellent bus service that takes you from Glasgow Airport directly to Glasgow city centre. Click here for details: [Glasgow Airport Express Bus](#) - For the Hilton hotel you get off at stop 1
- By Air: Glasgow International Airport (8 miles), Glasgow Prestwick (40 miles) & Edinburgh Airport (45 miles)
- By car: [Hilton Glasgow, 1 William Street, Glasgow G3 8HT, UK](#)

Parking

Self-parking: £15 per day. EV charging available on-site more information [here](#)




Organising Committee


We are pleased to have the support of the following members of the APACT organising Committee:

Andrew Anderson - Johnson & Johnson
John Andrews - Clairet Scientific
Edo Becker - CPACT Associate Member & Specac
Nicola Jones - Applied Materials
Natalie Kerr - CPACT
Matt Linsley - University of Newcastle
David Littlejohn (Convenor) - University of Strathclyde
Philip Martin - University of Manchester
Sofia Matrali - GSK
Alison Nordon - University of Strathclyde
Christine Stevenson - CPACT
Maria Tendero Soto - CPACT
Steph Turnbull - AstraZeneca
Patrick Wray - BMS
Jie Zhang - Newcastle University
Min Zhang - CPI

If you require further information, please contact the conference organiser:

Natalie Kerr

 admin@cpact.com

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