



**Advances in Process Analytics  
and Control Technologies  
2010 Conference**



***“Process Analysis and  
Control for Profit”***

# **Call For Papers**

**Wednesday 28 April - Friday 30 April 2010**

**The Hilton Hotel  
Deansgate, Manchester**





## APACT 10

***THERE'S MONEY TO BE MADE IF PROCESS ANALYSIS AND CONTROL ARE INTEGRATED PROPERLY.***

***SUCCESSFUL USE OF PROCESS ANALYSIS AND CONTROL INVOLVES MANY TECHNOLOGIES - IT IS TRULY A MULTIDISCIPLINARY ACTIVITY.***

Process analysis and control technologies are increasingly important to manufacturing companies in the pharmaceuticals, chemicals, petrochemicals, biotechnology, food and other industries. The financial, safety and environmental benefits of Process Analysis and Control (PAC) are proving powerful incentives and increasing numbers of companies want to participate in the PAC revolution. In-process measurements and real-time data analysis are also increasing in importance at the discovery and development stages, when attempting to reduce time-to-market through "quality by design", achieved by acquisition of better fundamental knowledge of a process.

APACT 10 is an open forum for the presentation and discussion of recent advances in engineering and scientific topics relevant to process analytics and control technologies. Plenary and keynote speakers will describe the formulation and implementation of PAC strategies, review the benefits that can be achieved, and report recent developments. Following the success of previous conferences, APACT 10 will be a three-day meeting featuring plenary and parallel sessions on topics crucial to the achievement of manufacturing excellence.

The conference is open to all interested participants and will provide opportunities for academics and industrialists to present their knowledge and research to an informed multidisciplinary audience. The programme will include contributed lectures, poster presentations and a vendor exhibition. The meeting is an ideal forum for networking and information gathering on PAC. Those new to process analysis or process control will benefit from the friendly atmosphere that typifies an APACT conference.

Registration cost includes lunches, dinner on two evenings, and a social programme. There will be a reduced cost student registration fee to encourage participation of younger researchers.



[www.apact.co.uk](http://www.apact.co.uk)



### Speakers include:

John Chappell, Sellafield Ltd, UK - *"Lean transformation in engineering support to nuclear reprocessing and waste treatment"*

Kim H Esbensen, Aalborg University, Denmark - *"Representative process sampling (Theory of Sampling, TOS) - the missing link in PAT"*

Bruce Grieve, University of Manchester, UK - *"e-Agri; Exploiting on-line sensing and ICT to change the rule of the game for global agriculture and food security"*

Jonathan Hammond, GlaxoSmithKline, UK - *"PAT - from concept, through filing and into real life manufacturing"*

David M Scott, DuPont Company, USA - *"Improving particulate processes via ultrasonic spectroscopy"*

Nilay Shah, Imperial College London, UK - *"Supply chain optimisation in the process industries"*

Kevin Sutcliffe, AstraZeneca, UK - *"In-line analysis (PAT) in drug substance development"*

Hong Wang, University of Manchester, UK - *"Applications of stochastic distribution control for chemical plants"*

### Call for Papers

Papers are requested for both oral and poster presentations on any topics relevant to process analysis and control, in-process measurements and data analysis, including the following themes:

- On-line/Non-invasive Analysis Techniques
- Miniaturisation of Sensors
- Process Intensification
- Design of Experiments
- Multivariate Curve Resolution
- Calibration-free Methods
- Process Control and Optimisation
- On-line Process Diagnostics
- Signal Processing
- Process Performance Monitoring
- Data Mining
- Chemometrics
- Flow reactors
- Industrial Applications
- Image Analysis
- Value Analysis



## Submission of Abstract

Abstracts (maximum 500 words) may be submitted on-line at [www.apact.co.uk](http://www.apact.co.uk) or e-mailed to [natalie@cpact.com](mailto:natalie@cpact.com) by Monday, 14 December 2009.

Please indicate if an oral or poster presentation is preferred and ensure that the following contact details are provided:

- Title
- Name
- Organisation
- Address
- Telephone/Fax
- Email



## Important Deadlines

Deadline for submitting abstract: Monday 14 December 2009

Notification of acceptance: Monday 11 January 2010

Final programme issued: Monday 1 February 2010

Registration deadlines:

Early registration discount - before Friday 26 February 2010

Last date for registration - Monday 19 April 2010

Accommodation to be reserved - by Monday 15 March 2010

## Exhibition

Equipment and software from vendor companies will be exhibited during the conference. In addition, there will be a number of sponsorship opportunities for participating companies.

Any interested companies should contact the CPACT Administration Office for further details. (Email: [natalie@cpact.com](mailto:natalie@cpact.com) Tel: +44 (0)141 548 4836)



[www.apact.co.uk](http://www.apact.co.uk)



## APACT 10 CONFERENCE REGISTRATION FORM

	On or before 26.02.10	After 26.02.10
Registration Fee (CPACT members)	<input type="checkbox"/> £540*	<input type="checkbox"/> £590
Registration Fee (non-members)	<input type="checkbox"/> £640*	<input type="checkbox"/> £690
Student Discounted Registration Fee	<input type="checkbox"/> £199	<input type="checkbox"/> £199

\* Discounts available for more than 2 registrations per organisation. Please contact Natalie Driscoll for more details: [natalie@cpact.com](mailto:natalie@cpact.com)

**Due to a change in regulations, this conference is now VAT exempt.**

The above fees include the abstract book, CD of presentations and tea/coffee and lunch during the three days of the conference. Dinner on Wednesday 28 April and a special conference dinner on Thursday 29 April are also included. Fees are refundable only up to two weeks before the event. Substitution may be made at any time.

**ACCOMMODATION** has been reserved at a special rate at the Hilton Manchester Deansgate, 303 Deansgate, Manchester, M3 4LQ. Telephone no: +44 (0)161 8701600. Website: [www.hilton.co.uk/manchesterdeansgate](http://www.hilton.co.uk/manchesterdeansgate). Please tick boxes below for room reservations.

**IMPORTANT: Room rate to be paid to CPACT with registration fee.**

Tuesday 27 April	<input type="checkbox"/>	B&B rate £110
Wednesday 28 April	<input type="checkbox"/>	B&B rate £110
Thursday 29 April	<input type="checkbox"/>	B&B rate £110

NB: Accommodation is VAT exempt when booked through CPACT.

### METHOD OF PAYMENT

Please indicate method of payment below. Cheques should be enclosed and made payable to 'University of Strathclyde' and drawn on a British Bank in GBP.

Visa ☐ Mastercard ☐ Amex ☐ D.Club ☐  
Switch/Maestro ☐ Solo ☐ Visa debit ☐ Cheque ☐

Card No

Security Code (CVC No):  (last three digits on reverse of card)

Expiry Date  Start Date  Issue number  (Switch/Solo only)

Cardholders name as shown on card .....

Cardholders statement address .....

Contact telephone number .....

Amount payable £.....

Signature of card holder .....

### Delegate attending the conference:

Name ..... Organisation .....

Address ..... Postcode .....

Telephone ..... Fax ..... e-mail .....

### Register on-line at [www.apact.co.uk](http://www.apact.co.uk) or return completed form to:

Natalie Driscoll, CPACT, c/o Department of Pure & Applied Chemistry, University of Strathclyde, 295 Cathedral Street, Glasgow G1 1XL

Email: [natalie@cpact.com](mailto:natalie@cpact.com) Tel: +44 (0)141 548 4836 Fax: +44 (0)141 548 4713

[www.apact.co.uk](http://www.apact.co.uk)



## Conference Venue

APACT 10 will take place at the Hilton Manchester Deansgate Hotel. Housed in the Beetham Tower, Manchester's first skyscraper, the hotel is a spectacular destination in one of Europe's most vibrant and dynamic cities. The Hilton Manchester Deansgate is only a few minutes walk from Deansgate Rail Station and St Peter's Square metrolink station. Victoria Station and Piccadilly Station are a short drive away. Manchester International Airport is only 25 minutes by road.

The hotel provides breathtaking views over the city, which features superb shopping, vibrant nightlife, world-leading architecture and a rich history. And in the heart of it all, the Hilton Manchester Deansgate takes centre stage. All bedrooms are of a high standard and include high speed internet access. For extra pampering at the LivingWell health club, take a swim under the stars in the heated indoor pool, spectacularly housed in lustrous glass and steel. Enjoy a workout on the latest cardiovascular and resistance equipment, relax in the sauna or steam room, or indulge in the wide range of pampering beauty treatments at Heaven Spa.

If you have time to spare in Manchester before or after the conference, then Manchester is the perfect walking city to explore a mixture of old and new architecture set side by side. There's a multitude of things to do in and around Manchester, including over 90 museums and galleries, most of which are free to enter. Visit the Lowry, Imperial War Museum North, Urbis, The Museum of Science and Industry, Manchester Art Gallery, museum and stadium tours at Manchester United and Manchester City football clubs and many more.

Manchester also offers the perfect gateway to the North of England, a region that packs a diverse combination of history, culture, scenery and more. Delve into the rich heritage of cities such as Chester, York and Liverpool or discover the stunning countryside of the Lake District.

### Travel to the Hilton Hotel -

**Air:** Manchester International Airport is approximately 25 minutes drive.

**Road:** Easily accessible from M6, M62 and A1.

**Rail:** Only a few minutes walk from Deansgate Station and Victoria and Piccadilly Stations are less than one mile away.

