

# Flow Measurement Workshop

## 10th December 2019

### University of Warwick

This workshop aims to equip early career stage people working in flow measurement with a general introduction to the subject, some instrument selection insights. The workshop is designed to be affordable and give attendees some opportunity to network with other early career stage people and some industrial and academic experts. The future of flow measurement R&D and expertise in the UK relies on us all being able to support and interest people at an early stage of their career, and the workshop aims to make a positive contribution to this objective.

#### Organising Committee:

Roger Baker (University of Cambridge), Steve Dixon (University of Warwick), Mark England (Sentec), Manus Henry (University of Oxford), Gary Oddie (Schlumberger), Alun Thomas (I&P Services)

## Speakers

- Roger Baker (University of Cambridge)
- Steve Dixon (University of Warwick)
- Mark England (Sentec)
- Manus Henry (University of Oxford)
- Gary Oddie (Schlumberger)
- AlunThomas (I+P Services)

## Workshop Programme

### Introduction to flow concepts

09:30- 10:00 Registration and coffee/tea

10:00-10:10 Welcome & Introductions (SD)

10:10-10:40 Basic Flow Concepts (AT)  
Reynolds number and a brief introduction to a dimensionless approach, equations of continuity, momentum, energy.

## Programme (cont.)

### Introduction to flow meters

10:40 -11:20 Differential Pressure, Positive Displacement, Turbine & Vortex Flowmeters (GO/ RB)

11:20 - 11:45 BREAK for tea/coffee

11:45 - 12:25 Coreolis & Thermal Flowmeters (MH)

12:25 -12:55 Multiphase Flowmeters (GO)

12:55 -13:30 BUFFET LUNCH

13:30-14:00 Electromagnetic Flowmeters (ME)

14:00-14:30 Ultrasonic Flowmeters (SD)

14:30-15:20 Flow-Rig Demo (SD)

15:30-15:40 Closing Comments

15:40-16:00 CLOSE tea/coffee

## **Cost:**

1 Day Workshop £120 per person, to include complimentary copy of **Flow Measurement Handbook 2nd Edition – Roger C. Baker**

## **RESERVE YOUR PLACE HERE**

<https://warwick.ac.uk/fac/sci/ciu/news/flowmeasurementworkshop-2019/bookingform/>

## **Accommodation:**

There are a number of affordable B&B locations within a short distance of the Department of Physics at the University (CV4 7AL). We would recommend attendees consider finding accommodation in Kenilworth if required in the first instance.

ON CAMPUS rooms are very limited and it is unlikely that there will be much availability, but this can be checked and booked at <https://bandb.warwick.ac.uk/>

If you will require parking then please let us know in advance so that visitor parking can be reserved.

## **Travel:**

For full directions to Warwick Campus please see:

<https://warwick.ac.uk/about/visiting/directions/>

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The workshop itself will take place in:

The Materials & Analytical Sciences (MAS) Building

<https://warwick.ac.uk/about/visiting/maps/interactive>