10th International Conference on Compressors and their Systems

11th – 13th September 2017
City University London

Preceded by a Short Course on Computational Fluid Dynamics in Rotary Positive Displacement Machines
9th – 10th September 2017
The 10th International Conference on Compressors and their System will be held at City University London between 11th and 13th September 2017

This conference provides a forum where developments in air, gas and refrigeration compressors, vacuum pumps, expanders, related systems and components will be discussed. In addition to the traditional keynote addresses, research and technical papers, podium papers and discussions, the programme will include a full Industry day dedicated exclusively to topics of high importance to Industry. Please contact us with your proposals for industry day presentations.

Conference scope

Papers are invited on a wide range of topics on compressors, expanders, pumps and their systems including, but not limited to:

- Technology Development
- Operation, Maintenance and Reliability
- Safety and Environmental Impact
- Energy Efficiency and Carbon Footprint
- Novel applications
- System Integration and Behaviour
- Upgrades and Refurbishment
- Design and Manufacture
- Education and Professional Development.

Who should attend

Designers and manufacturers of compressors, expanders and systems, control systems, suppliers, end users and research organisations.

Call for papers

All papers will be written and presented in English and will not have been presented or published at previous events. Authors are required to attend the conference to present their work.

2nd December 2016 – Abstract submission deadline of not more than 250 words

17th February 2017 – Selected authors to submit draft paper of up to 4,000 words

19th May 2017 – Draft paper refereed and final paper submitted

Authors are encouraged to submit their synopses using CONFTOOL via the Conference website www.city.ac.uk/compressorsconference

Committee Chairman
Ahmed Kovacevic, City University London

Committee Secretary
Judith Hope, City University London

3rd forum/short course: Computational Fluid Dynamics in Rotary Positive Displacement Machines 9th – 10th September 2017

Following the success of the two previous forums/short courses, on CFD in Positive Displacement Machines (PDM), the third event will continue to be dedicated to advanced topics in the application of CFD to PDM for industrial research.

The following aspects of CFD in compressors will be discussed:

1) Accurate prediction and sensitivity of clearance size variation during operation
2) How modern CFD tools can be used to predict variation in gap size
3) Stability and accuracy of Multiphase flow calculations in 3D simulations of compressors.

Participants from industry and academia are encouraged to present results of their research and analysis in the forum, and screw compressor test results are available to aid them. Attenders will benefit by getting an insight into the current state of the art by experts from industry and academia.

The Forum/Short Course is organised by the Centre for Compressor Technology and will be held at the Northampton Square site of City University London on 9th and 10th September 2017.