



## Modelling, Analysis, and Design of Positive Displacement Machines: Papers Presented at the 4th Forum on CFD in Positive Displacement Machines

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Deadline for manuscript  
submissions:

**closed (30 September 2019)**

### Message from the Guest Editors

Dear Colleagues,

Following the success of three previous forums/short courses on CFD in Positive Displacement Machines (PDM) held at City, University of London, in which there was strong participation from the compressor industry, CFD software providers, this Special Issue and the 4th short course are dedicated to advanced topics of modelling, analysis, and the design of Positive Displacement Machines for industrial and research use. The main topics include, but are not limited to the following:

- Advances in grid generation, CFD tools, and new techniques for PD machine analysis.
- Modelling of leakage flows and conjugate heat transfer.
- Prediction of clearance gap sizes during operation and the application of modern FSI computations.
- The stability and accuracy of multiphase flow calculations in PD machines.

Participants from academia and industry are invited to prepare journal publications with results from their research and analysis and present them in the forum.

Prof. Dr. Ahmed Kovacevic

Dr. Sham Rane

*Guest Editors*





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## Message from the Editor-in-Chief

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