

## 2016 HiPC Second Workshop on Computational Fluid Dynamics (CFD)

To be held in conjunction with HiPC 2016 on 19 December 2016, Hyderabad, India

For details, see [CFD Website here](#)

### Advance Program

08:30 – 08:45 AM
<b>Opening of CFD Workshop</b>
08:45 – 09:30 AM
<b>Keynote: Using High Performance Computing (HPC) for understanding Fluid Flows</b>
<b>Speaker: Prof. Sanjay Mittal, Aerospace Engineering, IIT Kanpur</b>
9:30 – 10:00 AM
<b>Technical Paper 1 Presentation – CFDWS01</b>
Title : An efficient GPU parallelization for arbitrary collocated polyhedral finite volume grids and its application to incompressible fluid flows Presenter: Shashank Jaiswal Affiliation: Indian Institute of Technology Hyderabad
10:00 – 10:30 AM
<b>Technical Paper 2 Presentation – CFDWS02</b>
Title: Sub cooled boiling: validation by using different CFD models Authors: Venkateswara Sontireddy, Sridhar Hari Affiliation: CD-Adapco
10:30 – 11:00 AM
<b>Break</b>
11:00 – 11:30 AM
<b>Technical Paper 3 Presentation – CFDWS03</b>
Title: Improvements in Free Surface Flow Numerics using Coupled VOF and Pseudo Transient Solver Authors: Vinay Gupta, Kvss Srikanth, Hemant Puneekar Affiliation: ANSYS Software Pvt. Ltd.
11:30 – 12:00 PM
<b>Technical Paper 4 Presentation – CFDWS04</b>
Title: An object oriented parallel finite element scheme for computations of PDEs: Design and implementation Authors: Sashikumaar Ganesan, Raviteja Meesala, Abdus Shamim Affiliation: Indian Institute of Science
12:00 PM – 12:30 PM
<b>Technical Paper 5 Presentation – CFDWS05</b>
Title: Importance of Bubble size distribution in Gas-Liquid Flows Authors: Ravindra Aglave, Thomas Eppinger Affiliation: CD-Adapco
12:30 – 1:00 PM
<b>Technical Paper 6 Presentation – CFDWS06</b>
Title: A Numerical Investigation on bubble formation in Coolant channel with various Ethylene Glycol and water compositions and change in contact angle

**Authors: Vamshi Krishna Chitikase, Chih-Cheng Hsu**  
**Affiliation: GM**

**1:00 PM – 2:00 PM**

**LUNCH BREAK**

**2:00 PM – 2:30 PM**

**Invited Speaker 1**

**TBD**

**2:30 PM – 3:00 PM**

**Invited Speaker 2**

**TBD**

**3:00 PM – 3:30 PM**

**Invited Speaker 3**

**TBD**

**3:30 PM – 4:00 PM**

**Panel Discussion & Closing Remarks**