HiPC 2015 WORKSHOP 1: Computational Fluid Dynamics (CFD)

16th Dec 2015   **Room: Grand Victoria B**

08:30 – 08:45 AM
Opening of CFD Workshop
08:45 – 09:15 AM
Industrial Technical Presentation
Rutger IJzermans **Title: CFD Applications for Oil and Gas Industry** **Affiliation:** Shell Technology Center, Bangalore, India.
9:15 – 9:45 AM
Technical Paper 1 Presentation
Title : On the Navier-slip boundary condition for computation of impinging droplets **Authors:** <u>Jagannath Venkatesan</u>, Sashikumaar Ganesan **Affiliation:** Numerical Mathematics and Scientific Computing, Supercomputer Education and Research Centre, Indian Institute of Science, Bangalore, India.
9:45 – 10:15 AM
Technical Paper 2 Presentation
Title: Development and Application of Interfacial Anti-Diffusion and Poor Mech Numerics treatments for Free Surface Flows **Authors:** <u>Vinay Kumar Gupta</u>, Mohib Khan and Hemant Punekar **Affiliation:** ANSYS Fluent India Pvt. Ltd., Pune, India.
10:15 – 10:30 AM
Break
10:30 – 11:00 AM
Technical Paper 3 Presentation
Title: Integrated Moisture Separator Design Using CFD **Authors:** <u>Girish Gowda</u> and Balaji Kasturirangan **Affiliation:** Research and Development, ELGI Equipments Ltd., Bangalore, India.
11:00 AM – 11:45 AM
Invited Talk
Anand Deshpande **Title: Computational Challenges and Optimization Techniques for CFD Applications on Modern Parallel Systems** **Affiliation:** Intel India, Bangalore, India.
11:45 – 12:45 PM
Panel Discussion
Title: Bridging the Gap between CFD User, Developer and HPC Communities
12:45 – 1:00 PM
Closing Remarks