Simulation Engineer (Chemical Engineering Applications)

Trinity Simulations is a company formed by experts in the field of engineering simulation. Company founder has vast experience in working with premier CFD software organization (Fluent Inc.) and building a successful start-up in the field of computational and experimental flow modelling solutions over last two decades

We are looking for a Modeling and Simulation Engineer, responsible for 0D/1D/CFD modeling of chemical engineering applications.

Day to day responsibilities

- Generate CAD models in ANSYS Workbench for use in CFD simulations.
- Generate mesh for CFD simulations using ANSYS MESHER.
- Run the model cases
- Post processing of CFD results and analysis
- Sensitivity analysis
- Data analysis to determine trends

Key Skills:
- Experience in using ANSYS design modeler and / or SpaceClaim
- Experience in using ANSYS Mesher (Advanced) and Fluent CFD Solver
- Ability to postprocess results using FLUENT and / or CFD-Post
- Exposure to User defined functions
- Excellent communication skills

Desired Skills

- Experience in process modelling using software's like ASPEN or HYSIS and data analysis would be an added benefit

Education and experience

- **Education**: Master's degree in Chemical Engineering from reputed university with special focus on CFD
- **Experience:**
  - o Freshers or candidates having experience of one year after Master's degree
  - o Exposure to CFD modelling and more particularly combustion or reacting flows