



Azadeh Sohrabi, Ph.D.

Engineer

Specialties

- Heat Transfer
- Rotating Machinery
- Multiphase Flow Analysis
- Mixing Tank
- External Aerodynamics
- Turbulence

Education

Ph.D.

University at Buffalo

**M.Sc. Mechanical
Engineering, Renewable
Energy**

University of Alabama at
Birmingham

**M.Sc. in Mechanical
Engineering, Energy
Conversion**

Razi University Kermanshah

About

Azadeh Sohrabi holds a Ph.D. from the University at Buffalo in addition to two advanced degrees with concentrations in renewable energy and energy conservation. She brings over a decade of CFD experience to SimuTech Group.

Notable projects include:

- **Modeling a hydrogen dispenser to assess potential gas leaks under various release scenarios.** The objective was to determine whether a hazardous atmosphere could reach a steady state and the time it took to occur. Her work demonstrated the progression of hydrogen buildup and flow development within the designated area.
- **Simulation of a vane axial fan.** The objective was to gain a better understanding of its performance curve. A graphical representation offers a clear understanding of the fan's efficiency and effectiveness at varying speeds and resistance levels. By plotting these parameters, engineers can not only grasp the fan's capabilities but also identify its optimal operational range. This information is pivotal for making well-informed decisions about the fan's integration and utilization within a wide array of systems.