



Simulation in your browser

THIS CERTIFICATE ACKNOWLEDGES THAT

Somto Obi

Has successfully completed the course:

SIMSCALE CFD MASTER CLASS

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MILAD MAFI
SimScale GmbH

Course Overview

The aim of this course is to explain different theoretical and practical applications of CFD with a firm focus on getting accurate simulation results. In this 3-module course, students learn about concepts related to wall modelling, result validation, and multiphase flows. Students who complete the video lectures, step-by-step exercises, and quizzes to 100% receive this SimScale Certificate of Completion.

Course Format

Each session consists of:

- A 60-minute video lecture
- A step-by-step exercise
- A 5-question quiz

Session 1: Wall Modelling for CFD

In the first session, different approaches for wall modelling are discussed. Correct modelling is necessary to accurately predict drag and flow separations.

Session 2: Numerics and Result Validation

During the second session, numerics and results validation are reviewed in detail. Students learn how to predict the accuracy of a simulation and how to improve numerical settings to get faster results.

Session 3: Multiphase Flows

The final session focused on the analysis of multiphase flow systems and how to prepare a multiphase flow simulation.