

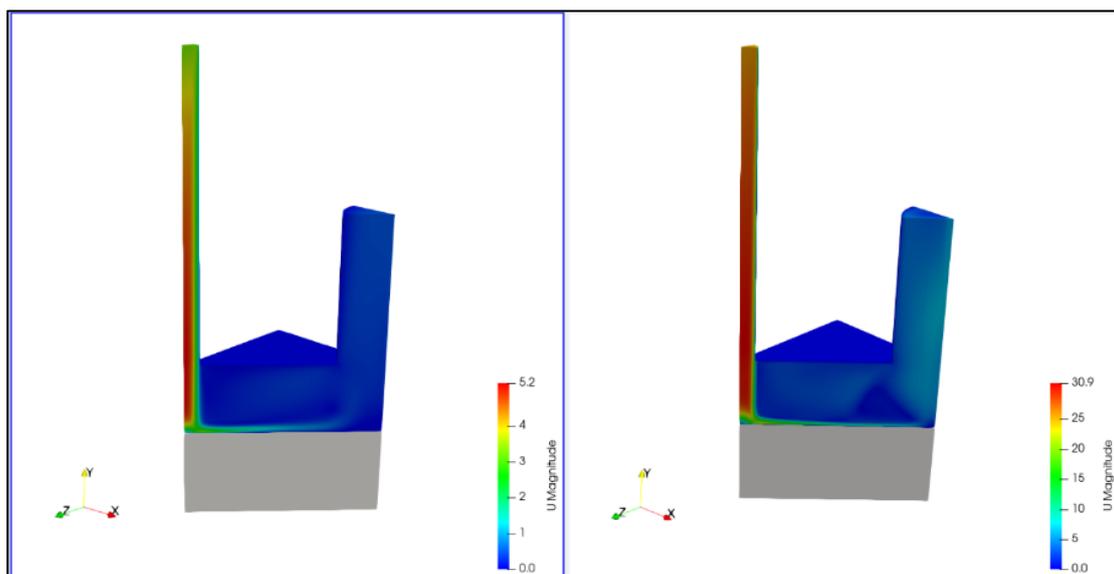


OpenFOAM Training Workshop Agenda

07.09.2025, 9:00 AM – 1:00 PM, Turkey Time, online

Target Audience: (Bio/Food) Chemical Engineering students + early-career researchers interested in OpenFOAM

Time	Session Title	Details
9:00 – 9:15	Welcome & Introduction	Overview of CFD & OpenFOAM; Seminar goals
9:15 – 10:00	OpenFOAM Basics	Environment, Installation, Directory Structure, Commands
10:00 – 10:10	Coffee/Tea Break	Refreshment break
10:10 – 11:20	Hands-On: First Simulation	Setup, edit config files, Run simulation, post-process
11:20 – 12:20	Case Study Application	Case overview, Step-by-step, ParaView post-processing
12:20 – 12:50	Troubleshooting & Q&A	Common errors, Debugging tips
12:50 – 1:00	Wrap-Up & Next Steps	Recap, Resources, Feedback



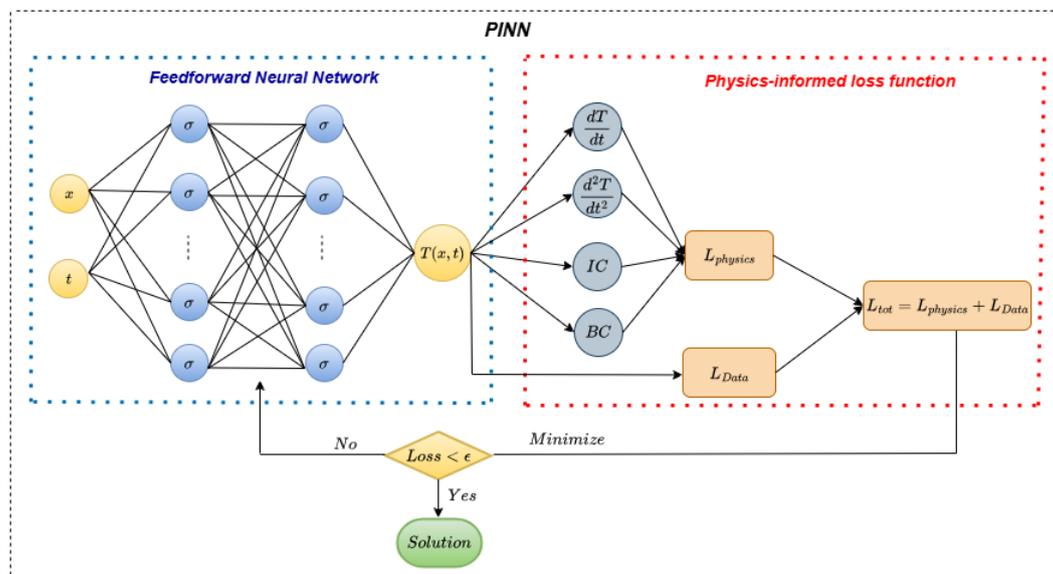
Physics-Informed Neural Network (PINN) Training Workshop

Agenda

07.09.2025, 2:00 PM – 5:00 PM, Turkey Time, online

Target Audience: Chemical Engineering students + early-career researchers new to PINN

Time	Session Title	Details
2:00 – 2:15	Welcome & Introduction	Overview of Neural Networks (NN) and Physics-Informed Neural Networks (PINN); seminar goals.
2:15 – 2:50	NN and PINN Basics	Introduction to NN, including their structure, training, activation functions, backpropagation, and optimization. Overview of PINN, integrating physical laws (PDEs) into NN for solving real-world problems.
2:50 – 3:00	Coffee/Tea Break	Refreshment break
3:00 – 3:30	Hands-On: First Simulation	Hands-on session where participants implement a basic feedforward PINN using Python.
3:30 – 4:30	Case Study Application	Case overview, Step-by-step, training the model
4:30 – 4:50	Troubleshooting & Q&A	Common challenges in PINN training, General Q&A to address any doubts.
4:50 – 5:00	Wrap-Up & Next Steps	Recap, Resources, Feedback



workshop courtesy
SIMULIGENCE UAB Team