

# 8TH KAUST- ANSYS WORKSHOP

**MAY 30, 31  
&  
JUNE 1, 2021  
ONLINE EVENT**

## Day-1 General Presentations and Demos

**09:00 – 09:10** Opening & welcome: KAUST Supercomputing Core Lab.

**09:10 – 09:20** Fluid Codes: Elite ANSYS Channel Partner for the Middle East

**09:20 – 09:50** In-Kingdom consulting projects (New service from KSL)

**09:50 – 11:20** Running complete simulation workflow using Shaheen (Hands-on Session)

**11:20 – 11:30** Break

**11:30 – 12:30** Users presentations

**12:30 – 13:30** Prayer Break

**13:30 – 14:00** Academic projects presentations from KAUST

**14:00 – 14:30** Choosing right material using Ansys Granta

**14:30 – 14:40** Prayer Break

**14:40 – 15:10** Design optimization for CFD problems using Ansys optiSLang

**15:10 – 15:40** Fluent meshing

**FLUID**  
C O D E S 

**Ansys**

CERTIFIED  
ELITE CHANNEL  
PARTNER



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## Day-2 Fluid-Structure Interaction (FSI) Training

**09:00 – 09:40** Overview of FSI in Workbench

**09:40 – 10:20** Co-Simulation Overview, Geometry & Meshing

**10:20 – 10:30** Break

**10:30 – 11:30** Workshop: Hyperelastic Flap 2-way FSI

**11:30 – 12:30** Co-Simulation Setup

**12:30 – 13:30** Prayer break

**13:30 – 14:30** Workshop: Hyperelastic Flap 2-way FSI (continued)

**14:30 – 14:40** Break

**14:40 – 15:40** Moving & Deforming Meshes for System Coupling

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## Day-3 Fluid-Structure Interaction (FSI) Training

**09:00 – 11:00** Co-simulation and Post Processing

**11:00 – 11:15** Break

**11:15 – 12:30** Workshop: Thermal-structural 2-way FSI in a leakage path

**12:30 – 13:30** Prayer break

**13:30 – 14:45** Co-simulation Convergence and Static Data Transfer

**14:45 – 15:45** Workshop: Thermal-structural 2-way FSI in a leakage path (Continued)

**15:45 – 16:00** Break

**16:15 – 17:15** ANSYS FSI Certification Exam

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