



TENTH EDITION

# ANSYS – KAUST WORKSHOP

Learn from experts: practical insights to Ansys



JULY 25 – 27, 2023  
9:00 AM – 5:30 PM



KAUST, BUILDING 5,  
LEVEL 5, ROOM 5220,  
THUWAL, SAUDI ARABIA

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Organized by



**Ansys**

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# /AGENDA

## The Tenth ANSYS – KAUST Workshop

TUESDAY, JULY 25

Time	Topic
09:00 - 09:15 AM	Opening : Ansys – KAUST 3 days Workshop
09:15- 10:30 AM	Geometry Modeling in Ansys SpaceClaim for CFD Applications
10:30 - 11:00 AM	Fluent Meshing Overview
11:00 - 11:15 AM	Coffee Break
11:15 - 12:15 PM	Fluent Meshing & workshop
12:15 - 01:15 PM	Lunch Break
01:15 - 01:45 PM	CFD Simulation Process Workflow & Interface
01:45 - 02:45 PM	Physical Models & Operating Conditions
02:45 - 03:00 PM	Coffee Break
03:00 - 04:30 PM	Heat Transfer Analysis + workshop
04:30 - 05:30 PM	Turbulence Modeling

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[cfid-helpline@hpc.kaust.edu.sa](mailto:cfid-helpline@hpc.kaust.edu.sa)

[sales@fluidcodes.com](mailto:sales@fluidcodes.com)



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## The Tenth ANSYS – KAUST Workshop

WEDNESDAY, JULY 26

Time	Topic
09:00 - 09:45 AM	Turbulence Workshop
09:45 - 10:45 AM	Transient Simulation + workshop
10:45 - 11:00 AM	Parametrization
11:00 - 11:15 AM	Coffee Break
11:15 - 11:45 AM	CFD Simulation Best Practices
11:45 - 12:30 PM	Post-Processing tips & Tricks In Fluent
12:30 - 01:30 PM	Lunch Break
01:30 - 02:00 PM	Expression Language in Fluent
02:00 - 03:00 PM	Discovery Live Demo
03:00 - 03:15 PM	Coffee Break
03:15 - 04:15 PM	Ansys OptiSlang for CFD Applications
04:15 - 05:00 PM	Ansys Fluids Update
05:00 - 05:30 PM	Ansys Rocky Overview

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## The Tenth ANSYS – KAUST Workshop

THURSDAY, JULY 27

Time	Topic
09:00 - 09:15 AM	Mathematical Foundation of CFD: Weighted Residual Formulation
09:15 - 10:15 AM	Simulation Workflow: From Workstation to Supercomputer (Demo & hands-on)
10:15 - 10:45 AM	ANSYS Discovery: A simple CFD simulation tool for K-12 students (Demo & hands-on)
10:45 - 11:00 AM	Coffee Break
11:00 - 11:15 AM	Parallel Computing Basics
11:15 - 11:30 AM	What Shaheen Can Offer?
11:30 - 12:00 PM	Updates on Free Consulting Services for the Kingdom
12:00 - 12:45 PM	CFD Certification Exam
12:45 - 01:30 PM	Lunch
01:30 - 02:00 PM	User Presentation -1
02:00 - 02:30 PM	User Presentation -2
02:30 - 03:00 PM	User Presentation -3
03:00 - 03:30 PM	Coffee Break & Certificate Distribution

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