

COMSOL FUNDAMENTALS

INTRODUCTION TO THE APPLICATION BUILDER

Wednesday October 4, 3:30PM
Friday October 6, 1:30PM

AUTOMATING MODEL BUILDING USING THE APPLICATION BUILDER

Thursday October 5, 4:30PM

DEPLOYING APPS USING COMSOL SERVER

Wednesday October 4, 1:30PM

SOLVERS: PART 1 UNDERSTANDING THE STATIONARY SOLVERS

Wednesday October 4, 1:30PM

SOLVERS: PART 2 UNDERSTANDING THE TIME-DEPENDENT SOLVERS

Wednesday October 4, 3:30PM

SOLVERS: PART 3 UNDERSTANDING SOLVERS AND HARDWARE

Friday October 6, 1:30PM

EQUATION-BASED MODELING

Wednesday October 4, 9:00AM

OPTIMIZATION

Thursday October 5, 4:30PM

POSTPROCESSING

Friday October 6, 9:00AM

MESHING

Thursday October 5, 8:30AM

GEOMETRY MODELING AND CAD IMPORT

Wednesday October 4, 9:00AM

HANDS-ON: CORE FUNCTIONALITY

Friday October 6, 9:00AM

ELECTROMAGNETICS

ELECTROMAGNETICS: RESISTIVE AND CAPACITIVE DEVICES, AND PARTICLE TRACING

Wednesday October 4, 3:30PM

ELECTROMAGNETICS: MAGNETS, COILS, AND MOTORS

Thursday October 5, 8:30AM

ELECTROMAGNETICS: WAVE ELECTROMAGNETICS, FROM RF TO OPTICAL

Friday October 6, 9:00AM

RAY OPTICS

Friday October 6, 1:30PM

HANDS-ON: ELECTROMAGNETICS

Wednesday October 4, 9:00AM

STRUCTURAL AND ACOUSTICS

STRUCTURAL MECHANICS: STATICS AND DYNAMICS

Wednesday October 4, 1:30PM

STRUCTURAL MECHANICS: NONLINEARITY AND FATIGUE

Wednesday October 4, 3:30PM

ACOUSTICS AND VIBRATIONS

Thursday October 5, 4:30PM

HANDS-ON: STRUCTURAL MECHANICS

Thursday October 5, 8:30AM

HANDS-ON: ACOUSTICS

Friday October 6, 1:30PM

FLUID AND HEAT

CFD: LAMINAR AND MICROFLUIDIC FLOW, AND PARTICLE TRACING

Thursday October 5, 8:30AM

CFD: TURBULENT AND HIGH MACH NUMBER FLOW, AND PARTICLE TRACING

Thursday October 5, 4:30PM

HEAT TRANSFER: CONDUCTION AND CONVECTION

Wednesday October 4, 9:00AM

HEAT TRANSFER: RADIATION AND ENVIRONMENTAL MODELING

Thursday October 5, 8:30AM

HEAT TRANSFER: MOISTURE TRANSPORT AND HEAT TRANSFER WITH PHASE CHANGE

Friday October 6, 9:00AM

FLUID-SOLID INTERACTIONS

Friday October 6, 9:00AM

POROUS MEDIA FLOW

Friday October 6, 1:30PM

HANDS-ON: CFD

Wednesday October 4, 3:30PM

HANDS-ON: HEAT TRANSFER

Wednesday October 4, 1:30PM

CHEMICAL

CHEMICAL REACTION ENGINEERING: CHEMICAL REACTION

Wednesday October 4, 9:00AM

CHEMICAL REACTION ENGINEERING: BATTERY MODELING

Wednesday October 4, 1:30PM

HANDS-ON: CHEMICAL ENGINEERING

Thursday October 5, 4:30PM

INTERFACING

LIVELINK™ for MATLAB®

Wednesday October 4, 1:30PM

SPONSORED WORKSHOPS

SIMPLEWARE - FROM 3D IMAGE TO MESH

By Synopsis

Wednesday October 4, 1:30PM

MODELING OF RUBBERS AND THERMOPLASTICS USING THE POLYUMOD LIBRARY

By Veryst Engineering

Wednesday October 4, 3:30PM

ACCELERATE YOUR COMSOL MULTIPHYSICS® SIMULATION THROUGH CLOUD HPC

By Rescale

Thursday October 5, 8:30AM

BEST PRACTICES IN MULTIPHYSICS

By AltaSim Technologies

Thursday October 5, 4:30PM

INTRODUCTION TO HPC PRIVATE AND PUBLIC CLOUD COMPUTING WITH COMSOL

By TotalCAE

Friday October 6, 9:00AM

CHEMICAL ENGINEERING AND REACTION KINETICS

By M4Dynamics

Friday October 6, 1:30PM



Full minicourse descriptions and speakers can be found at:
COMSOL.com/conference/boston