

Onsite Training



NAFEMS

ONSITE TRAINING

NAFEMS has been providing the engineering analysis, modelling & simulation community with world-class, code-independent training since 1983. Our unique position as an international non-profit, with no affiliation to any software code or provider, means that we are the only organisation in a position to cater for the specific training needs of everyone involved in engineering analysis.

You can be safe in the knowledge that all of our training solutions are backed by the experience that comes with nearly 40 years as a pillar of the simulation community.

QUALITY

Our training courses are taught by some of the leading figures within the analysis community who are unrivalled in their experience and expertise. Our tutors are chosen on the basis of their knowledge and practice of the technology.

All training focuses on practical applications and background theory. We have sought out the very best tutors in the industry to deliver an outstanding learning experience for the community. Every single course that we provide is thoroughly reviewed, fully accredited and continuously assessed by NAFEMS to ensure the highest level of quality for our members.

FLEXIBILITY

Hectic schedules and limited budgets can often stand in the way of meaningful professional development. That's why we are committed to a programme of training that meets the needs of the community.

We are confident that you will find a training solution that not only meets your needs, but fits around your budget and workload.

VARIETY

Covering both FEA and CFD, our courses range from introductory through mid-range to advanced levels, ensuring that we provide the training needed for those relatively new to technology, those who wish to refresh previous knowledge, and those experienced practitioners who wish to develop their knowledge even further.

We are committed to providing training that is of real value to the end user. Course content is being continually updated based on changes in the technology and student feedback, and new courses are commissioned regularly, in order to meet the needs of the community.

COURSE PROGRAMME

INTRODUCTORY

- Why do Engineering Simulation?
- Basic FEA
- Practical FEA
- Introduction to Practical CFD
- Introduction to Dynamics using FEA
- CFD for Structural Designers and Analysts
- FEA Day to Day

MID-LEVEL

- 10 Steps to Successful Explicit Dynamic Analysis
- Practical Modeling of Joints and Connections
- Introduction to Non-Linear FEA
- Composite FEA
- Fatigue & Fracture Mechanics in FEA
- Structural Optimization in FEA

ADVANCED

- Verification & Validation of Computational Models
- Elements of Turbulence Modeling
- Verification & Validation of Models and Analyses
- Advanced Dynamic FEA
- Verification & Validation in Scientific Computing

ORGANISATIONS WHICH HAVE BENEFITED FROM THIS TRAINING SO FAR INCLUDE:

- Honda
- Messier-Dowty
- Assystem
- Atkins Global
- Delphi
- Puget Sound
- Worley Parsons
- ASML
- Jaguar Land Rover
- Rolls Royce
- and many more



CONTACT US

To discuss how any of these options could work for you and your company, please contact NAFEMS on training@nafems.org or call +44(0)1355 225688



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