



Accelerating Global Adaption of Engineering Simulation in Oil and gas and Petrochemical industries

Speaker: Dr. Ahmad H. Haidari
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Engineering simulation software is playing an increasingly critical role, enabling engineers to create virtual prototypes and capture new knowledge about the detailed workings of their equipment and processes. The benefit from these simulations includes understanding root cause and reducing failure, improving product reliability and quality, evaluating new designs, estimating equipment life, help troubleshoot and access new concepts.

Typical oil and gas specific simulations may include vibration analysis, heat transfer and thermal stresses, blast and deflagration, impact assessment, deformation and stress analysis, forced induced vibration, fatigue analysis, soil-pipe interaction, piping and structural support, wind and wave loading assessment, etc.

Who should attend?

Managers and Engineers interested in how companies are using engineering simulation in the oil and gas, and petrochemical industries

Speaker Profile:



Dr. Ahmad H. Haidari has over 20 years of experience in the application of engineering simulation and modeling technology in addressing industrial-process-equipment design, equipment troubleshooting, analysis and scale up. At ANSYS he is the global director of the energy and process industries, where he ensures full portfolio of ANSYS engineering simulation software that provide appropriate capabilities to meet the modeling requirement of energy and process industry companies. He obtained his Ph.D. from Lehigh University and has made numerous presentations and written publications on modeling chemical and hydrocarbon process equipment and oil and gas machinery. Ahmad works out of ANSYS's New Hampshire office.

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