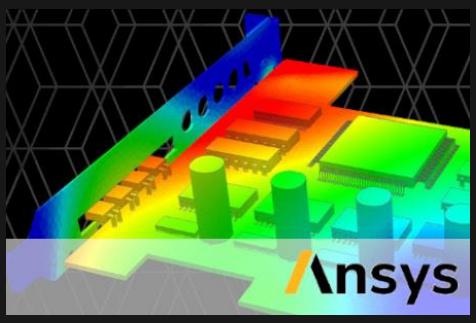
Ansys Sherlock

30 septembrie 2021



Agenda

14:00 - 18:00	Getting Started with Sherlock How to set-up a Sherlock project Sherlock and Mechanical Shock Mechanical shock is the sudden application of single or multiple, but non-periodic, physical loads due to acceleration or deceleration that results in significant displacement or deformation. Common events that induce mechanical shock include drops, crashes, firing, impact, or explosions. he strengths of components and the amount of stress transmitted to them during the shock event will determine whether failure occurs Sherlock and Solving Thermal-Mechanical Coupled temperature and mechanical simulation. Thermal conduction analysis. Mechanical stress analysis due to CTE mismatch. Sherlock and Vibration Solder joints provide electrical, thermal, and mechanical connections between electronic components and a printed board. When the printed board is subjected to vibration, it will experience global and local changes to the board shape and curvature. This behavior will introduce strain into the solder joint. Analyzing reliability risks of PCBs with ANSYS Sherlock In this tutorial, we will learn to analyze mechanical reliability risks of PCBs with several components using ANSYS Sherlock. We will analyze a PCB assembly comprising a six-layer board and several components