

## 24E - Workshop: SIMULIA analysis toolset for Electronics (Dassault Systemes)

### *Presenters*

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### *Session Summary*

The electronics industry is fast-paced and competitive; companies must leverage the latest technology to stay ahead of the competition and optimize time-to-market. The predictive analysis of the Abaqus Unified Finite Element Analysis product suite from SIMULIA can help reach development goals at all stages of a product's lifecycle. During this workshop you learn more about how the Abaqus Unified FEA product suite improves a company's workflow.

During the session, we focus on the following capabilities of the Abaqus Unified FEA product suite:

- Integrated and coupled multiphysics capabilities, which support robust coupled-field analysis of thermal, electrical, mechanical (both static and dynamic), and moisture-sensitivity load regimes.
- Utilization of the state-of-the-art material modeling for all electronics materials including solder, plastics, glass, rubbers, and foams.
- Utilization of special purpose solution techniques to automatically calculate the stabilized, steady state response of a structure to cyclic loading, increasing solution accuracy and reducing solution time
- Productivity gains from using a unified modeling and simulation environment.

### *About the Presenter – David Cadge*

**David Cadge**, Industry Lead - Electronics & Consumer Products Dassault Systemes - SIMULIA Corp.

David has worked in various capacities with SIMULIA since 1995 within the customer service and marketing teams. He is responsible for developing and promoting simulation strategies for the High Tech and Consumer Goods industries. David has traveled extensively, visiting customers who work in these domains worldwide, to understand their workflows and their requirements, while promoting current capabilities and best practices. Information gathered during these visits helps Simulia provide enhancements for advanced technology, usability and productivity so that simulation becomes an integral part of design practices. David has a BEng in Mechanical Engineering from the University of Leicester in the UK.