Short Course

Fundamentals of Thermal and Thermomechanical Modeling for Electronics Reliability

Reliability of electronics is a multidisciplinary topic involving thermal, electrical, and mechanical disciplines. Ongoing trends in society (energy transition, electrification of transport, developments in AI) lead to higher energy density in electronic components and, at the same time, larger impact of electronics failures, making electronics reliability increasingly important. The short course provides the necessary background to understand more about thermal and thermo-mechanical phenomena in (package) reliability for non-mechanical researchers engaged in using thermal and thermo-mechanical computer simulations with the aim to avoid modeling and interpretation difficulties.

The short course is 9:00–17:30 on September 23, 2025. Coffee breaks, pizza lunch, and a course book are included in the price.

By passing a final test, PhD students will earn 2 academic credits.

Trainers: Wendy Luiten & John H. J. Janssen

Course Syllabus