



Mastering Electromagnetic Simulation

We invite you to participate in our immersive, week-long workshop, aimed at mastering electromagnetic simulation techniques using the comprehensive product catalogue from SUN Magnetics. This hands-on learning experience will help you leverage the power of SUN Magnetics' tools to their full potential, enhancing your skills and proficiency in the realm of electromagnetic simulations.

Course details:

Our workshop course provides an immersive experience into mastering our simulation software, focusing on several critical areas. These include superconductor electronics (SCE) parameter extraction, flux trapping analysis in SFQ layouts, coupling calculations for circuit structures, and compact model extraction in the EM environment. Furthermore, we delve into SQUID/SQIF/gradiometer analysis, frequency analysis of filter structures, ground current analysis, and modelling of densely coupled AQFP layouts. The course also covers multi-layered capacitance extraction, integrated circuits packaging modelling, and layout-vs-schematic (LVS) verification.

Please explore the detailed course schedule attached.

Date:

16 - 20 October 2023

Venue:

SANSA Space Science, Hermanus, Western Cape, South Africa
(about 106km from Cape Town International Airport).

Hermanus is a picturesque vacation town on the Atlantic coast, and is famous for its incredible viewings of southern right whales.

Accommodation and Transportation:

Attendees are responsible for their own accommodation and transportation arrangements. A variety of hotels, including beachfront options, can be secured through trusted platforms such as [booking.com](https://www.booking.com). For transportation, multiple ride-sharing and car rental services are accessible in the area. Please note that the term 'taxi' in this region may not correspond to the international understanding of the service; thus, we advise against using taxi services for your convenience and safety.

Course Participation:

Registration for the workshop grants attendees full access to our comprehensive five-day program, inclusive of scheduled coffee and snack breaks. Please note that meals such as lunches and dinners are not part of the package and will be the responsibility of the participants themselves. We encourage attendees to explore the diverse local dining options at their own convenience.

Equipment Requirements and Software Provision:

We kindly request all participants to bring their own laptops, ideally equipped with a minimum of 16 GB RAM to ensure optimal performance during the workshop. To facilitate hands-on learning, each participant will be granted a 30-day license for the premium version of InductEx, along with access to its auxiliary tools. This software access extends beyond the workshop timeline, enabling participants to review workshop content, apply skills to their own design efforts, or explore the software's functionalities at their leisure post-workshop.

Cancellation policy:

50% refundable for cancellation before 1 September 2023; thereafter no refund for cancellation.