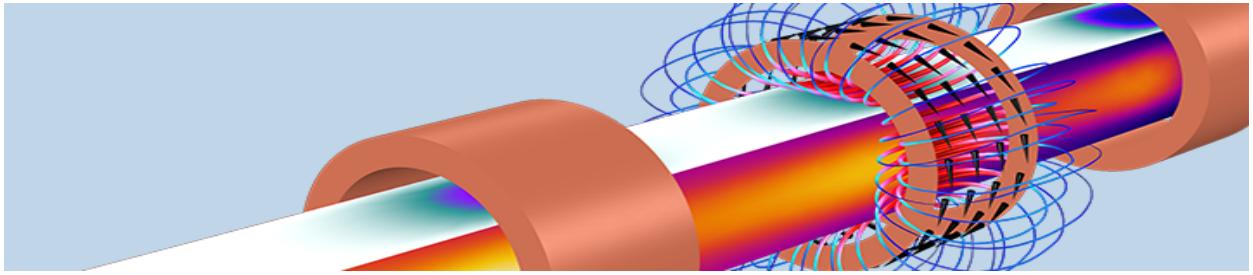

If you want to quickly get up to speed on using COMSOL Multiphysics® for low-frequency electromagnetics simulations, this is the course for you. The AC/DC Modeling course will provide you with a comprehensive introduction to the AC/DC Module. During the 2-days course, you will learn the tools needed for modeling of resistive and capacitive devices, coils, magnets, motors, electromagnetic actuation, and other areas. The coupling of electromagnetic fields to other physics, such as heat transfer and structural mechanics, will also be covered.

The goal of this course is to immerse you in all of the main aspects of using COMSOL Multiphysics® and the AC/DC Module, so that you feel comfortable working with the software. You will leave the course feeling confident that you are correctly solving your electromagnetics problems.

We propose the following topics:

- Fatigue analysis, including multiphysics effects such as thermal fatigue
- Magnets and Coils
- Induction and Electromagnetic Forces

Suggested Background

This course assumes some familiarity with the basic concepts of electrical engineering. We recommend that those new to COMSOL Multiphysics® take the COMSOL Multiphysics® Intensive course prior to attending this class.