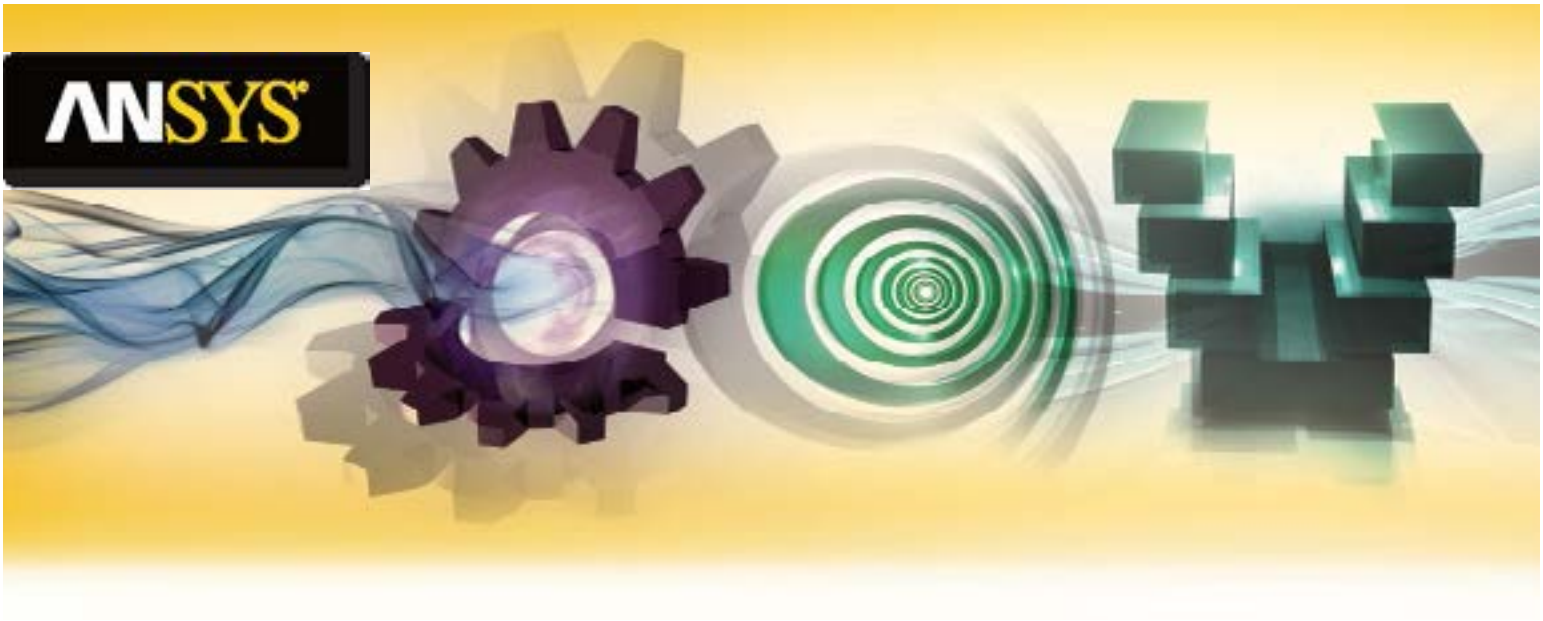

Design optimization of robust and quiet electric machines

The course is a free of charge one-day short course and is intended for Design Engineers, Application and System Engineers, Technical Professionals and Graduate Engineering Students with a strong interest in Electric Machines and Power Electronics Drives. The organizers are working with IEEE to award Continuing Education Units (CEUs) to participants upon the completion of the course.

The agenda includes:

- Fundamentals of electric machines and drives operation and simulation
- Robust design and optimization
- Electromagnetically generated forces, vibrations and noise
- Advanced modeling and automation techniques.

The lectures of the main course instructor, industrial and academic expert, Dr. Dan M. Ionel, PhD, IEEE Fellow, Chief Engineer with Regal Beloit Corp. and Visiting Professor at University of Wisconsin, Milwaukee, WI, will be complemented in mid-morning and mid-afternoon with short presentations by ANSYS experts.

Dr. Dan M. Ionel, IEEE Fellow, is currently Chief Engineer with Regal Beloit Corporation, a leading manufacturer of electric motors, mechanical and electrical motion controls and power generation products serving markets throughout the world. He is also a Visiting Professor at University of Wisconsin, Milwaukee, WI. Over the last three years, Dr. Ionel served as instructor for short courses organized by ANSYS. He has more than 25 years of experience with electrical machines and power electronic drives. After completing post-doctoral research in the SPEED Laboratory, University of Glasgow, UK, he worked in industrial R&D for large corporations in the UK and the US, Invensys Brook Crompton, and A.O. Smith, respectively. More recently, he was the Chief Scientist for the world's largest wind turbine manufacturer, Vestas.

Dr. Ionel's design experience covers a wide range of electric machines and drives for various applications with power ratings between 0.002hp and 10,000hp. He has published more than 100 technical papers, including two winners of Best Paper Awards from the IEEE, and holds more than 30 patents, including a medal winner at the Geneva Innovation Exhibition. Dr. Ionel is the Chair Elect of the IEEE Power and Energy Society Electric Motor Subcommittee, Chair of the Milwaukee IEEE Power Electronics Chapter, and Editor-in-Chief of the Electric Power Components and Systems Journal.

Location: Sheraton Framingham

Date: January 10, 2014

Time: 8 am - 5 PM

Venue:
Sheraton Framingham,
1657 Worcester Road Framingham,
Massachusetts 01701

Cost: **Free - Space is limited.**

Register Here