Nuts & Bolts of Advanced Imaging: Introduction

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Target audience: Scientists with varying experience levels interested in a deeper understanding of the theory and implementation of technical aspects of MR

The purpose of the nuts and bolts course is to create a forum to bridge theory with implementation and to enable MR scientists with different levels of experience to exchange insights and practical tips. The course discusses relevant principles and demonstrates how they translate to practice. The course includes an interactive session that reinforces the learning with computer-based exercises.

The course consists of two topics (parallel/multi-transmit engineering and image reconstruction), and the emphasis between the two alternates from year to year. This year, the course is organized as follows:

Day 1: Lecture on parallel/multi-transmit
Day 2: Lecture on image reconstruction
Day 3: Interactive session on parallel/multi-transmit (as a follow-on from Day 1)

NOTE: Participants of the interactive session (Day 3) should bring a laptop/tablet for the session, have Matlab installed, and have downloaded the course materials. The most up-to-date information about the download will be provided on the syllabus website.