Simultaneous multi-slice/multiband imaging

March 19-21, 2015

Essen/DE

Thursday March 19th

09:00-09:25  Registration
09:25-09:30  Welcome
  David Norris (ELH)
09:30-10:30  Multiband Imaging: Historical perspective and introduction
  David Norris
10:30-11:00  Coffee
11:00-13:00  Multiband RF pulse design
  Peter Koopmans
13:00-14:00  Lunch
14:00-15:00  Pencil and paper quiz
15:00-15:30  Tea
15:30-17:30  Matlab exercises day 1: Design your own multiband RF pulses

Friday March 20th

09:00-10:00  CAIPIRINHA, and Blipped CAIPI
  Felix Breuer
10:00-10:45  Pencil and paper quiz
10:45-11:15  Coffee
11:15-12:00  k-space Representation of CAIPI and generalisation to non-Cartesian k-space trajectories
  Benedikt Poser
12:00-13:00  Reconstruction techniques (SENSE and slice GRAPPA)
  Felix Breuer and Peter Koopmans
13:00-14:00  Lunch
14:00-15:00  Pencil and paper quiz
15:00-15:30  Tea
15:30-17:30  Matlab exercises day 2: Data reconstruction

Saturday March 21st

09:00-10:00  Transmission schemes and transmission coils
  Benedikt Poser
10:00-10:45  Pencil and paper quiz
10:45-11:15  Coffee
11:15-12:00  Practical applications of multiband sequences
  David Norris
12:00-13:00  Pencil and paper quiz
13:00-14:00  Lunch