Summary of poster session

Topics:

• Thermal stress, magnetic stress (5)
• Superconducting detectors, electromagnetic sources and undulators (5)
• AC losses and magnetization currents in coils, tapes, and cables, 2D and 3D approaches (4)
• Magnetic quench of coils, tapes, and cables (4)
• Bulk magnetization, including modelling 2D and 3D effects (2)
• Characterization methods of tapes and films, assisted by modelling (2)
• Heat transfer and cooling (1)
• Fault current limiters, circuit modelling approach (1)
• Magnetic gears (1)
Suggestions for discussion topics

• 3D models
  – formulations and general considerations
  – when can 2D models help?
• Coupling magnetic, thermal, and mechanical properties
• Characterization and validation methods
• Losses and magnetization currents in coils, tapes
• Electronics, detectors, and electromagnetic sources
• Shaping and shielding magnetic fields
• Physical models for the material properties