

# 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