

## Session Program

1-6 Jul 2025



## MT29 Abstracts and Technical Program

### ***Fri-Mo-Po.03 - Magnets for MRI***

Omni Boston Hotel at the Seaport  
450 Summer Street Boston, MA 02210

Friday 4 July

09:30

Fri-Mo-Po.03 - Magnets for MRI

Poster Session | Location: Ensemble Ballroom, Level 2 | Conveners: Bin He, Vijay Soni

Fri-Mo-Po.03-01: Design of a DC-Coil for MRI magnet using second-generation high-temperature superconducting tapes

Speaker  
Rafael de Souza

Fri-Mo-Po.03-07: Design and Development of Active Shimming Coil for 7T Whole Body MRI Superconducting Magnet

Speaker  
Chao Zhou

Fri-Mo-Po.03-06: Low-AC-Loss Nb3Sn Validation Model Coil in Solid Nitrogen for a Fast-Switching-Field MRI Magnet Prototype

Speakers  
Dr Dongkeun Park, Jintao Hu

Fri-Mo-Po.03-05: Development of a 0.4 T permanent magnet and a planar coil gradient system for an MRI prototype

Speaker  
Mr João Henrique Ramos Silva

Fri-Mo-Po.03-04: Development and measurement of a 7T cryogen-free animal MRI superconducting magnet

Speaker  
Yaohui Wang

Fri-Mo-Po.03-03: Passive shimming of a 7T cryogen-free MRI superconducting magnet by iron strip arrangement

Speaker  
Dr Yaohui Wang

Fri-Mo-Po.03-02: A theoretical study on the design of multilayer self-shielding asymmetric gradient coil

Speaker  
Zhenghang Wang

Fri-Mo-Po.03-08: [Invited] Cool-down and Ramp Test of a Low-Cryogen, Lightweight, Head-Only 7T MRI Magnet

Speaker  
Dr Anbo Wu

11:15