

Session Program

20-22 May 2026



Mathematical Methods in MRI - SFB MR-DYNAMO Workshop

Contributed Talks: Session 2

A-8010 Graz

20.05.2026: Hörsaal 1 (ATK1120H) TU Graz / Campus Alte Technik Rechbauerstraße 12 8010 Graz 21.
& 22.05.2026: Hörsaal BMT (BMTEG138) TU Graz / Campus Neue Technik Stremayrgasse 16,
Erdgeschoß 8010 Graz

Wednesday 20 May

14:05

Contributed Talks: Session 2

Session | **Location:** HS 1 (ATK1120H), Rechbauerstraße 12, TU Graz / Campus Alte Technik 8010 Graz |
Convener: Prof. Kristian Bredies

14:05-14:30

On uniqueness of coefficient identification in the Bloch-Torrey equation for magnetic resonance imaging

Speaker

Prof. Barbara Kaltenbacher

14:30-14:55

Operator splitting and adjoint-based L-BFGS for parameter identification in the Bloch-Torrey equation

Speaker

Mr Pablo Muñoz

14:55-15:20

Observability as a constraint qualification for a nonsmooth bilevel PDE constrained problem

Speaker

Dr Jyrki Jauhainen

15:20-15:45

Optimal control based estimation of blood pressure from MRI velocity data

Speaker

Mr Jakob Wagner

15:45