



Contribution ID: 21

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Energy deposition in MRI

Wednesday 15 October 2025 14:20 (20 minutes)

The presentation will focus on the progress of my PhD project. Specifically, it will focus on three aspects:

- 1) the acquisition chain set up to acquire the SAR from the phantom that will be used for the measurements;
- 2) the choice of material used to construct the anthropomorphic phantom and the definition of its geometry, which was determined based on the MRI acquisitions performed on the experimental subject;
- 3) the reconstruction of the phantom's filling fluid, which will be exposed to the radiofrequency during future acquisitions.

All three activities were carried out during my current research at the Campus Bio-Medico University of Rome. Finally, the next steps for completing my PhD work next year will be presented.

Presenter: MARTELLUCCI, Marco