

MAGNET4Cardiac7T Spring School in Würzburg

Spring School on Physics-Informed Machine Learning for Medical Applications



Dear students,

We would like to invite you to apply for the **MAGNET4Cardiac7T Spring School!** The event will take place from **7-11 April 2025** in **Würzburg** and is aimed at motivated **Master Degree Students** and **early PhD Students** who are interested in or working at the interface of **medicine, physics** and **data science**.

What is the Spring School about?

The Spring School is part of the **MAGNET4Cardiac7T project**. The project is an interdisciplinary research initiative focussing on the development and application of innovative technologies for **medical imaging**. The focus is on the use of 7 Tesla MRI scanners.

The event will give you an exciting insight into the current developments of **Physics-Informed Neural Networks** (PINNs) and their use in medical imaging and **AI-supported medicine**.

Our aim is to inspire and enthuse you as students and young researchers and to raise awareness of this pioneering field of research.

Why take part?

- The Spring School offers an ideal opportunity to learn more about **modern imaging technology in medicine**.
- In addition to exciting **presentations** by leading experts, participants can also expect practical **workshops**, the opportunity to **present their own research topic** in the form of a poster and **networking** opportunities in an interdisciplinary environment.

How can I apply?

You can apply **until 16 February** using the **application form** on the homepage of the project https://magnet4cardiac7t.github.io/spring_school_2025/. There you will also find detailed information about the entire Spring School program, how to get there and the general conditions.

If you have any questions about the application or the Spring School, you can contact us at any time at magnet4cardiac7t@uni-wuerzburg.de.

We look forward to receiving your applications and to welcoming you to Würzburg in April!

Yours sincerely

The organization team of the Spring School MAGNET4Cardiac7T