



Postdoc position in physics-informed deep learning

90 % / Limited for 2 years / Biel / Start according to agreement

To start with, here are some of our strong points

- An almost unbelievably large variety of themes and topics and a great mix of research and teaching.
- Plenty of contact with eager young people from all over the world who are set on achieving things.
- Responsibility in hugely exciting projects for the future attracting attention beyond the professional world.
- Great freedom in the organisation of work times – including mobile working.
- Working with smart people of different professional backgrounds who want, like you, to do things and make a difference.

What you'll be doing here

- You will develop physics-informed machine learning algorithms for condition monitoring and asset health prediction
- Our group offers a stimulating interdisciplinary research environment and a strong network with industry partners
- The position is part of the Swiss National Science Foundation project "Artificial intelligence for improving the reliability and resilience of industrial fleets"
- The project aims at developing deep learning algorithms to enhance the reliability of industrial fleets

What you'll bring with you

- PhD in computer science, engineering, applied mathematics, physics, or a related field
- Strong experience in deep learning, physics-informed machine learning, signal processing
- Ideally, you are also proficient in physical modelling of power system infrastructure such as battery modelling
- You are self-driven and you have a strong publication record
- Your application should include a CV, publication list, research statement explaining your project idea and previous work, contact details of 3 referees

School of Engineering and Computer Science

In the School of Engineering and Computer Science we don't move with the times, mostly we are a bit ahead of them! We find it fascinating what benefits technology can have in people's everyday lives. We gain knowledge through research and joint projects with industry and business. This exchange brings about cutting-edge insights that we continually share with students.

I'll be your guide through the application procedure

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For job-specific queries

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