UNIVERSITÄTS KLINIKUM Jena

Klinik für Psychiatrie und Psychotherapie

Research Colloquium

Dr. Steffen Bollmann

School of Electrical Engineering and Computer Science
The University of Queensland, Australia

How could we make scientific software FAIR?

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SR 1 (Pavillon) Department of Psychiatry and
Psychotherapy, Philosophenweg 3, 07743 Jena

Additional zoom access
https://uni-jena-de.zoom.us/j/69357966003
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Dr. Steffen Bollmann

Dr Steffen Bollmann joined UQ's School of Electrical Imaging and Computer Science in 2020 where he leads the Computational Imaging Group. The Group is developing computational methods to extract clinical and biological insights from magnetic resonance imaging (MRI) data. The aim is to make cutting-edge algorithms and tools available to a wide range of clinicians and researchers. This will enable better images, faster reconstruction times and the efficient extraction of clinical information to ensure a better understanding of a range of diseases. Dr Bollmann was appointed Artificial Intelligence (AI) lead for imaging at UQ's Queensland Digital Health Centre (QDHeC) in 2023.

His research expertise is in quantitative susceptibility mapping, image segmentation and software applications to help researchers and clinicians access data and algorithms.

How could we make scientific software FAIR?

Despite the vital role of scientific software, it remains an overlooked part of research, often developed within short funding periods with little support for long-term maintenance. This results in software that is hard to discover and challenging to install. It also lacks interoperability across different computing systems, hindering its reuse and violating the FAIR principles - which advocate for scientific outputs to be Findable, Accessible, Interoperable, and Reusable. In this talk, I will present our attempts at this problem through the Neurodesk.org project, and I will show what we are planning next …