

Georg Schramm

 Leuven, Belgium

 gschramm.github.io

 georg-schramm-a372099b

 Google Scholar

 gschramm

Experience

KU Leuven, Assistant Professor of Molecular Image Reconstruction and Analysis

- leading a research group focused on the development of novel methods for improved image reconstruction and analysis in molecular imaging
- development of tools for the analysis of molecular imaging data and the translation of these tools into clinical practice

Leuven, Belgium

Sept 2023 – present

2 years 6 months

Stanford University, Instructor

- instructor in the lab of Prof. Fernando Boada focussing on anatomy-guided sodium MRI reconstruction

Stanford, USA

Aug 2022 – July 2023

1 year

KU Leuven, Postdoctoral Researcher

- PostDoc in the lab of Prof. Johan Nuyts focussing on the development of novel methods for image reconstruction and analysis in PET (e.g. structure-guided PET reconstruction)

Leuven, Belgium

Apr 2015 – July 2022

7 years 4 months

Education

PhD **Technische Universität Dresden, Germany**, Medical Imaging

Apr 2011 – Jan 2015

- attenuation correction in PET/MR
- summa cum laude

MSC **Technische Universität Dresden, Germany**, Physics

2005 – 2011

- simulation of neutron capture and photon scattering
- among the top 5 of the graduates of the faculty of science in 2011

Awards

- 2025, Runner-up of the ultra low dose PET denoising challenge
- 2024, Winner of the PET reconstruction challenge (PETRIC) by SyneRBI
- 2014, PhD award of Helmholtz-Zentrum Dresden-Rossendorf
- 2014, Award for notable achievements in nuclear medicine from German Society of Nuclear Medicine
- 2011, Ehrenfried Walter von Tschirnhaus Prize from TU Dresden

Skills & Interests

Physics in Nuclear Medicine: modeling of photon interactions, detector physics, PET, SPECT

Applied Mathematics: inverse problems, image reconstruction, large-scale optimization, machine learning

Scientific Computing: high performance computing, software design, software project management

Languages

- German - Native speaker, English - Fluent, Dutch - Fluent

References

- Professor Johan Nuyts (KU Leuven)
- Professor Kris Thielemans (University College London)
- Professor Fernando Boada (Stanford University)
- Professor Andrew Reader (King's College London)