Georg Schramm

Leuven, Belgium | gschramm.github.io | georg-schramm-a372099b | Google Scholar | gschramm

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 — Sept 2005 – Jan 2011
- simulation of neutron capture and photon scattering
- among the top 5 of the graduates of the faculty of science in 2011

Experience

KU Leuven, Assistant Professor of Molecular Image Reconstruction and Analysis — Leuven, Belgium
Sept 2023 – present
2 years 6 months
- 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

Stanford University, Instructor — Stanford, USA
Aug 2022 – July 2023
1 year
- instructor in the lab of Prof. Fernando Boada focussing on anatomy-guided sodium MRI reconstruction

KU Leuven, Postdoctoral Researcher — Leuven, Belgium
Apr 2015 – July 2022
7 years 4 months
- 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)

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)