

Georg Schramm

gschramm.github.io

Leuven, Belgium

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Google Scholar

gschramm

Education

PhD	Technische Universität Dresden, Germany , Medical Imaging	Apr 2011 – Jan 2015
	<ul style="list-style-type: none"> attenuation correction in PET/MR summa cum laude 	
MSC	Technische Universität Dresden, Germany , Physics	Sept 2005 – Jan 2011
	<ul style="list-style-type: none"> 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
<ul style="list-style-type: none"> 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 	Sept 2023 – present 2 years 6 months
Stanford University , Instructor	Stanford, USA
<ul style="list-style-type: none"> instructor in the lab of Prof. Fernando Boada focussing on anatomy-guided sodium MRI reconstruction 	Aug 2022 – July 2023 1 year
KU Leuven , Postdoctoral Researcher	Leuven, Belgium
<ul style="list-style-type: none"> 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) 	Apr 2015 – July 2022 7 years 4 months

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)