Bram **de Wilde**

Hellenkamp 2A, Warnsveld, 7231HH, Nederland

(+31)6 83611219 | contact@bramdewilde.com | October 5, 1996 | bramdewilde.com | brambozz | 0000-0003-1890-8714

Education

PhD in Deep Learning for Medical Imaging — *Nijmegen, The Netherlands*

Radboud university medical center — *Oct. 2019 - Oct. 2023*

- Topic: AI-assisted detection of adhesions on cine-MRI

MSc. Applied Physics + Applied Mathematics — *Enschede, The Netherlands*

University of Twente — *Sep. 2016 - Jul. 2019*

- Materials Science and Scientific Computing + Research Honours track

Internship at IBM Research — *Zurich, Zwitserland*

Cloud and Computing Infrastructure department — *Sep. 2017 - Dec. 2017*

- Experiments and simulations on 1/f noise in phase-change memory devices

BSc. Applied Physics — *Enschede, The Netherlands*

University of Twente — *Sep. 2013 - Jul. 2016*

- Minor in secondary school Physics education

Publications

First author

1. Bram de Wilde, Richard PG ten Broek, and Henkjan Huisman. "**Cine-MRI detection of abdominal adhesions with spatio-temporal deep learning**". In: *arXiv preprint arXiv:2106.08094* (2021). DOI: `https://doi.org/10.48550/arxiv.2106.08094`
2. Bram de Wilde, Anindo Saha, et al. "**Medical diffusion on a budget: textual inversion for medical image generation**". In: *arXiv preprint arXiv:2303.13430, under review for ICCV2023* (2023). DOI: `https://doi.org/10.48550/arxiv.2303.13430`
3. Bram de Wilde and Natália Alves. "**Uncertainty-Guided Self-learning Framework for Semi-supervised Multi-organ Segmentation**". In: *Fast and Low-Resource Semi-supervised Abdominal Organ Segmentation*. Ed. by Jun Ma and Bo Wang. Cham: Springer Nature Switzerland, 2022, pp. 116–127. ISBN: 978-3-031-23911-3. DOI: `https://doi.org/10.1007/978-3-031-23911-3_11`
4. Bram de Wilde, Jesse Bakker, et al. "**Hopping-transport mechanism for reconfigurable logic in disordered dopant networks**". In: *Physical Review Applied* 17.6 (2022), p. 064025. DOI: `https://doi.org/10.1103/physrevapplied.17.064025`
5. Bram de Wilde, Frank Joosten, et al. "**Inter-and Intra-Observer Variability and the Effect of Experience in Cine-MRI for Adhesion Detection**". In: *Journal of Imaging* 9.3 (2023), p. 55. DOI: `https://doi.org/10.3390/jimaging9030055`

Co-author

6. Nikolas Lessmann et al. "**Automated assessment of COVID-19 reporting and data system and chest CT severity scores in patients suspected of having COVID-19 using artificial intelligence**". In: *Radiology* 298.1 (2021), E18–E28. DOI: `https://doi.org/10.1148/radiol.2020202439`
7. Tao Chen et al. "**Classification with a disordered dopant-atom network in silicon**". In: *Nature* 577.7790 (2020), pp. 341–345. DOI: `https://doi.org/10.1038/s41586-019-1901-0`

Certificates & Awards

2023 **University Teaching Qualification,** Radboud University, Faculty of Science

2016 **ASML Technology Scholarship,** €10,000 MSc funding, ASML

2012 **Certificate of Proficiency in English (C2),** Cambridge English

Skills

Programming Python, Bash, LaTeX, MATLAB, Docker

Python libraries PyTorch, Tensorflow, scikit-learn, numpy, pandas

Teaching

Student supervision

Faculty of Science, Radboud University

- Nathan Golden, MSc Data Science — Sep. 2022 - Mar. 2023
- Evgenia Martynova, MSc Data Science — Mar. 2021 - Aug. 2021
- Mirjam E.J. Davidse, Juliëtte Geurts, Hanneke Kruijt, Afke Vermeulen, BSc Technical Medicine — Mar. 2021 - Jun. 2021

Intelligent Systems for Medical Imaging (MSc)

Faculty of Science, Radboud University — *Spring 2022, 2023*

- Lecturer, coordinator of assignments

Artificial Intelligence for Health (BSc)

Faculty of Medical Sciences, Radboud University — *Spring 2021, 2022, 2023*

- Lecturer, co-coordinator course

Text and Multimedia Mining (MSc)

Faculty of Arts, Radboud University — *Fall 2021*

- Exam design, coaching project groups

Data Mining (BSc)

Faculty of Science, Radboud University — *Fall 2021*

- Teaching assistant