



Doctoral training progress attestation

Vrije Universiteit Brussel

Name and first name: **Van de Wynckel, Maxim Herman C**
Place and date of birth: Antwerpen(Wilrijk), Belgium on 10 March 1995
Enrollment Number: 0533861
Doctoral Programme: Doctoral Programme of Sciences
Doctoral School: Doctoral School of Natural Sciences and (Bioscience) Engineering
Supervisor: Beat Signer

	Acquired credits
Research output	45
Teaching & societal outreach	219
Research-related skills	29
Transferable skills	11
Overarching wildcards	0

Research Output

Scientific publications

International peer-reviewed article

Van de Wynckel M, Signer B. OpenHPS: A Modular Framework to Facilitate the Development of FAIR Positioning Systems. *Journal of Open Source Software*. 2025 Jun 5;10(110):110. doi: 10.21105/joss.08113

Proceedings paper

Van de Wynckel M, Valadez Mora JI, Signer B. FidMark: A Fiducial Marker Ontology for Semantically Describing Visual Markers. In *Proceedings of ESWC 2024, 21st International Conference on the Semantic Web, Hersonissos, Greece, May 2024*. Springer. 2024. p. 235-250 https://doi.org/10.1007/978-3-031-60635-9_14

Van de Wynckel M, Signer B. Discoverable and Interoperable Augmented Reality Environments Through Solid Pods. In *Proceedings of SoSy 2024 (Poster), 2nd Solid Symposium, Leuven, Belgium, May 2024*. Vol. 3947. CEUR Workshop Proceedings. 2024. p. 8-16

Malaise Y, Van de Wynckel M, Signer B. Towards Distributed Intelligent Tutoring Systems Based on User-owned Progress and Performance Data. In *Proceedings of SoSy 2024 (Poster), 2nd Solid Symposium, Leuven, Belgium, May 2024*. Vol. 3947. CEUR Workshop Proceedings. 2024. p. 17-23

Van de Wynckel M, Signer B. SemBeacon: A Semantic Proximity Beacon Solution for Discovering and Detecting the Position of Physical Things. In *Proceedings of IoT 2023, 13th International Conference on the Internet of Things, Nagoya, Japan, November 2023*. 2023 <https://doi.org/10.1145/3627050.3627060>

Proceedings paper

Van de Wynckel M, Signer B. POSO: A Generic Positioning System Ontology. In *Proceedings of ISWC 2022, 21st International Semantic Web Conference, Hangzhou, China, October 2022*. Springer. 2022. p. 231–247 https://doi.org/10.1007/978-3-031-19433-7_14

Van de Wynckel M, Signer B. A Solid-based Architecture for Decentralised Interoperable Location Data. In *Proceedings of IPIN 2022 (WiP), 12th International Conference on Indoor Positioning and Indoor Navigation, Beijing, China, September 2022*. Vol. 3248. CEUR Workshop Proceedings. 2022. p. 1-15. 11

Van de Wynckel M, Signer B. Indoor Positioning Using the OpenHPS Framework. In *Proceedings of IPIN 2021, 11th International Conference on Indoor Positioning and Indoor Navigation, Lloret de Mar, Spain. IEEE. 2021* <https://doi.org/10.1109/IPIN51156.2021.9662569>

Presentations for academic audience

Paper presentation

Discovering Indoor Environments and Positioning Systems Maxim Van de Wynckel (Speaker) 1 Feb 2025 Activity: Talk or presentation › Talk or presentation at a conference

Discoverable and Interoperable Augmented Reality Environments Through Solid Pods Maxim Van de Wynckel (Speaker) 2 May 2024 → 3 May 2024 Activity: Talk or presentation › Talk or presentation at a conference

Towards Distributed Intelligent Tutoring Systems Based on User-owned Progress and Performance Data Yoshi Malaise (Speaker) & Maxim Van de Wynckel (Speaker) 2 May 2024 → 3 May 2024 Activity: Talk or presentation › Talk or presentation at a conference

FidMark: A Fiducial Marker Ontology for Semantically Describing Visual Markers Maxim Van de Wynckel (Speaker) 28 May 2024 Activity: Talk or presentation › Talk or presentation at a conference

SemBeacon: A Semantic Proximity Beacon Solution for Discovering and Detecting the Position of Physical Things Maxim Van de Wynckel (Speaker) 8 Nov 2023 Activity: Talk or presentation › Talk or presentation at a conference

Rapid Prototyping of a Positioning System Using the OpenHPS Framework Maxim Van de Wynckel (Speaker) 6 Feb 2022 Activity: Talk or presentation › Talk or presentation at a conference

A Solid-based Architecture for Decentralised Interoperable Location Data Maxim Van de Wynckel (Speaker) 7 Sep 2022 Activity: Talk or presentation › Talk or presentation at a conference

POSO: A Generic Positioning System Ontology Maxim Van de Wynckel (Speaker) 24 Oct 2022 Activity: Talk or presentation › Talk or presentation at a conference

Indoor Positioning Using the OpenHPS Framework Maxim Van de Wynckel (Speaker) 1 Dec 2021 Activity: Talk or presentation › Talk or presentation at a conference

Teaching & Societal Outreach

Societal outreach

Media participation

Jong talent: Maxim Van de Wynckel (30) zoekt oplossingen om gebruikers meer controle te geven over hun locatiegegevens Maxim Van de Wynckel 12/03/25 1 item of Media coverage Press/Media: Research

Inovador Jovem Empreendedor Busca Dar Mais Controle aos Usuários sobre Seus Dados de Localização Maxim Van de Wynckel 16/03/25 1 item of Media coverage Press/Media: Research

Taught courses

Teaching courses

Web Technologies, Vrije Universiteit Brussel [Academic year 2425]

Next Generation User Interfaces, Vrije Universiteit Brussel [Academic year 2425]

Databases, Vrije Universiteit Brussel [Academic year 2425]

Web Technologies, Vrije Universiteit Brussel [Academic year 2324]

Next Generation User Interfaces, Vrije Universiteit Brussel [Academic year 2324]

Databases, Vrije Universiteit Brussel [Academic year 2324]

Web Technologies, Vrije Universiteit Brussel [Academic year 2223]

Databases, Vrije Universiteit Brussel [Academic year 2223]

Next Generation User Interfaces, Vrije Universiteit Brussel [Academic year 2223]

Web Technologies, Vrije Universiteit Brussel [Academic year 2122]

Databases, Vrije Universiteit Brussel [Academic year 2122]

Next Generation User Interfaces, Vrije Universiteit Brussel [Academic year 2122]

Advanced Topics in Big Data, Vrije Universiteit Brussel [Academic year 2122]

Open Information Systems, Vrije Universiteit Brussel [Academic year 2021]

Web Technologies, Vrije Universiteit Brussel [Academic year 2021]

Next Generation User Interfaces, Vrije Universiteit Brussel [Academic year 2021]

Advanced Topics in Information Systems, Vrije Universiteit Brussel [Academic year 2021]

Databases, Vrije Universiteit Brussel [Academic year 2021]

Information Visualization, Vrije Universiteit Brussel [Academic year 2021]

Databases, Vrije Universiteit Brussel [Academic year 2021]

Next Generation User Interfaces, Vrije Universiteit Brussel [Academic year 1920]

Open Information Systems, Vrije Universiteit Brussel [Academic year 1920]

Web Technologies, Vrije Universiteit Brussel [Academic year 1920]

Databases, Vrije Universiteit Brussel [Academic year 1920]

Information Visualization, Vrije Universiteit Brussel [Academic year 1920]

Advanced Topics in Information Systems, Vrije Universiteit Brussel [Academic year 1920]

Databases, Vrije Universiteit Brussel [Academic year 1920]

Taught seminars

Giving workshops

3D Modelling for 3D Printing, Vrije Universiteit Brussel [Academic year 2425]

Student support

Thesis supervision

Thesis supervision for Ronald Irenus A Michiels [Academic year 2021]

Thesis supervision for Ben Bergs [Academic year 2021]

Thesis supervision for Yassine Bouagaz [Academic year 2021]

Thesis supervision for Ahmed Barhdadi [Academic year 2021]

Thesis supervision for Jeroen Els Grégoire [Academic year 2021]

Thesis supervision for Lander Demesmaeker [Academic year 2122]

Thesis supervision for Benjamin Jan Vermunicht [Academic year 2223]

Thesis supervision for Nathan Hoebeke [Academic year 2223]

Thesis supervision for Stoffel Mik J Oostvogels [Academic year 2223]

Thesis supervision for Ahmed Barhdadi [Academic year 2223]

Thesis supervision for Niels Baeten [Academic year 2223]

Thesis supervision for Jordan Shittu [Academic year 2324]

Research-related skills

Research activities

Development

Van de Wynckel M (Author), Signer B (Author). SemBeacon.org Website & Documentation 2023.

Van de Wynckel M (Author). SemBeacon Android Application Google Play Store: Google. 2023.

Van de Wynckel M (Author), Signer B (Author). OpenHPS Framework [@openhps/core] 2021. <https://doi.org/10.5281/zenodo.5163291>

Van de Wynckel M (Author), Signer B (Author). OpenHPS: Single Floor Fingerprinting and Trajectory Dataset 2021. <https://doi.org/10.5281/zenodo.4744379>

Van de Wynckel M (Author), Signer B (Author). OpenHPS.org Website & Documentation 2020.

Reviewing an article

Semantic Web – Interoperability, Usability, Applicability (SWJ) (Journal) Maxim Van de Wynckel (Peer reviewer) Feb 2025 Activity: Publication peer-review and editorial work › Publication peer-review

Reviewing an article

Interactive, Mobile, Wearable and Ubiquitous Technologies (Journal) Maxim Van de Wynckel (Peer reviewer) 21 Mar 2023 Activity: Publication peer-review and editorial work › Publication peer-review

15th International Conference on Tangible, Embedded and Embodied Interaction (Event) Maxim Van de Wynckel (Peer reviewer) Sep 2020 Activity: Publication peer-review and editorial work › Publication peer-review

artefact

Van de Wynckel M (Author), Signer B (Coordinator). POSO Ontology Zenodo. 2024. <https://doi.org/10.5281/zenodo.14501189>

Attended courses

Signal Theory, Vrije Universiteit Brussel [Academic year 2021]

Attended seminars

Working with the OpenAI API, DataCamp [Academic year 2425]

ITACE For Lecturers, Vrije Universiteit Brussel [Academic year 2425]

Introduction to TensorFlow in Python, DataCamp [Academic year 2324]

Indoor Localization using Magnetic-Fields, Universitat Jaume I [Academic year 2122]

HTML5: Geolocation, LinkedIn Learning [Academic year 2122]

AI Fundamentals, DataCamp [Academic year 2021]

Data Engineering for Everyone, DataCamp [Academic year 2021]

Python Data Scientist and R Data Scientist, DataCamp [Academic year 2021]

Transferable skills

Attended seminars

Rode Kruis - Helper, Vrije Universiteit Brussel [Academic year 2324]

Contribution to focus groups, Vrije Universiteit Brussel [Academic year 2324]

Rode Kruis - Eerste Hulp (Basiscursus), Vrije Universiteit Brussel [Academic year 2223]

PhD Introduction Day, Vrije Universiteit Brussel [Academic year 2021]

Introduction to Python, DataCamp [Academic year 2021]

Media Training for Academics, Vrije Universiteit Brussel [Academic year 2021]

Data Science for Everyone, DataCamp [Academic year 2021]

Educational Training for Assistants, Vrije Universiteit Brussel [Academic year 1920]

Thematic Career Workshop: The Job Interview, Vrije Universiteit Brussel [Academic year 1920]

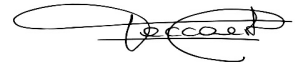
Turning the Tables: Advanced Negotiation Skills, Vrije Universiteit Brussel [Academic year 1920]

The Open Source 101, Free Open Source Universe [Academic year 1920]

Overarching Wildcards

There are no entries beneath this line

23 June 2025



Chloë Foccaert

Head of Education and Student Administration