

Laure De Cock

Postdoctoral researcher and teaching assistant

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I graduated from Ghent University as Master of Science in Geography and Geomatics in 2017. A few months later, I got granted an FWO scholarship and started working as a researcher at the research group where I did my master's thesis: the CartoGIS research group of the Department of Geography. This was the start of a four-year journey, during which I studied adaptive mobile indoor route guidance (read about my research [here](#)). I successfully finished my PhD in October 2021 and am now working at the department of Geography as a postdoc and teaching assistant. The project I am currently working on focuses on crowd tracking and modeling.

Courses

Python pandas, presentation skills, academic posters, academisch English, teaching methods, data management, problemsolving | UGent | 2017 - 2021
Spanish | UCT | 2017 - 2019
C# programming in Unity, tensorflow | Coursera | 2019, 2022
Introduction to eye tracking | Lund University | 2019
Machine learning for python | Barcelona GSE | 2020
Mindfulness | Mie via UGent | 2021

Conferences

Belgian geographer's days | Luik, Gent | 2017, 2019
BeGeo | Brussel | 2018, 2019, 2021*
Geographical information science | Melbourne | 2018**
International conference on spatial cognition | Rome | 2018
International space syntax symposium | Beijing | 2019
International cartographic conference | Tokyo | 2019**
Location based services | Wenen, online | 2019, 2021
Human computer interaction | online | 2020
Linked data in architecture | online | 2020
Conference on spatial information theory | Kobe | 2022

Awards

* Geospatial award for best thesis
** Travel awards and scholarships

Languages & technical skills

Dutch	●●●●	Python, GIS	●●●●
English	●●●●	HTML, PHP, SQL, eye tracking	●●●○
French	●●●○	Unity, C#, VR, R, ML	●●●○
Spanish	●○○○	CAD, 3D modeling	●○○○

Education

Doctor in geomatics | UGent | 2017 - 2021
Bachelor and master of science in geography and geomatics | UGent | 2012 - 2017

Teaching

GIS | MA geology, BA geography | 2017 - now
Topography | BA geology and archaeology | 2021 - now
Poster project cartography | BA geography | 2021 - now
Geodesy | BA geography | 2022 - now
GI-applications | MA geography | 2017, 2018
Geo-programing | BA and MA geography | 2018, 2019
Geopandas | BA and MA geography | 2020

Bibliography

[Full list](#)

De Cock, L., Van de Weghe, N., Ooms, K., Saenen, I., Van Kets, N., Van Wallendael, G., ... De Maeyer, P. (2022). Linking the cognitive load induced by route instruction types and building configuration during indoor route guidance, a usability study in VR., *International Journal of Geographical Information Science*, 36(10), 1978–2008.
<https://doi.org/10.1080/13658816.2022.2032080>

De Cock, L., Van de Weghe, N., Ooms, K., Vanhaeren, N., Ridolfi, M., De Poorter, E. & De Maeyer, P. (2021) Taking a closer look at indoor route guidance; usability study to compare an adapted and non-adapted mobile prototype, *Spatial Cognition & Computation*, DOI: 10.1080/13875868.2021.1885411

De Cock, L., Ooms, K., Van de Weghe, N., Vanhaeren, N., Pauwels, P., & De Maeyer, P. (2021). Identifying what constitutes complexity perception of decision points during indoor route guidance. *INTERNATIONAL JOURNAL OF GEOGRAPHICAL INFORMATION SCIENCE*, 35(6), 1232–1250.