

# Mag. Dr. Florian Windhager

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## MAIN RESEARCH INTERESTS

- visualization
- cultural heritage collections
- visual syntax & visual reasoning
- digital history
- digital humanities

## ACADEMIC MILESTONES & RELEVANT POSITIONS

07/2020 –	Research associate and lecturer at the Department for Arts and Cultural Studies, Danube University Krems, Austria
09/2020 –	Lecturer at the Depts. of History and Computer Science, University of Vienna
02/2018 – 09/2019	Lecturer at the Center for Information Modelling, KFU Graz, Austria
02/2016 –	Lecturer at the Department for Digital Humanities, University of Passau
05/2007 – 06/2020	Research associate and lecturer at the Department for Knowledge and Communication Management, Danube University Krems, Austria
03/2008 – 06/2009	Study Assistant at the Academy of Applied Arts, Vienna (Austria)
03/2004 – 02/2008	Study Assistant at the Academy of Fine Arts, Vienna (Austria)

## EDUCATION

02/2018 – 12/2020	PhD in Digital Humanities, Prof. Tara Andrews, University of Vienna, Austria, Thesis: <i>A Synoptic Visualization Framework for Artwork Collection Data and Artist Biographies.</i>
02/2003 – 01/2004	Studium Integrale – Extracurricular Studies on Interdisciplinary Communication and Science Communication at IFF Vienna, Austria
09/2000 – 12/2006	Masters in Philosophy and Sociology at University of Vienna, Austria

## ACADEMIC ACHIEVEMENTS

Since twelve years (Windhager et al., 2008), Florian guides and drives the development of a spatiotemporal visualization framework across various R&D projects (ViENA, Ex-PAND, PolyCube, InTaVia) to analyze and communicate complex, time-oriented subject matters in the arts, humanities and social sciences from multiple visualization perspectives (Windhager, 2020; Windhager et al., 2020).

## EDITORSHIP & REVIEW EXPERIENCE

**Conferences:** ACM Conference on Human Factors in Computing Systems (CHI), Alliance of Digital Humanities Organizations (ADHO), Applications of Social Network Analysis (ASNA), Conference for e-Democracy and Open Government (CeDEM), Digital Humanities im deutschsprachigen Raum (DHd), Forum Media Technology, Digital Humanities Austria (DHA), IEEE VIS Conference (VIS), Programm Committee, Organizing Committee, and Workshop Chair for the IEEE Workshop for Visualization for the Humanities (vis4dh)

**Journals:** Big Data and Society (SAGE), Computer, Graphics & Applications (CG&A), Digital Scholarship in the Humanities (DSH), Frontiers in Big Data (SAGE), International Journal of Geo Information (IJGI), Procedia - Social and Behavioral Sciences, Open Library of the Humanities (OLH)

## TEACHING EXPERIENCE

- Visualization of Humanities Data
- Information Design
- Qualitative Research Methods
- Social Network Analysis
- Academic Writing & Philosophy of Science

## MEMBERSHIPS

Institute of Electrical and Electronics Engineers (IEEE), Alliance of Digital Humanities Organizations (ADHO), Digital Humanities im deutschsprachigen Raum (DHd), Visualization for Digital Humanities (VIS4DH)

## SELECTED PUBLICATIONS

- Windhager, F., Salisu, S., Leite, R. A., Filipov, V., Miksch, S., Schreder, G., & Mayr, E.** (2020). Many Views Are Not Enough: Designing for Synoptic Insights in Cultural Collections. *IEEE Computer Graphics and Applications*, 40(3), 58–71.
- Windhager, F., Salisu, S., & Mayr, E.** (2019). Exhibiting Uncertainty: Visualizing Data Quality Indicators for Cultural Collections. *Informatics*, 6(3), 29. <https://doi.org/10.3390/informatics6030029>
- Windhager, F.** (2019). Choreographien der Existenz. Zur multimodalen Erweiterung biographischer Forschung und Lehre durch Verfahren der visuellen Analyse und Synthese. *BIOS – Zeitschrift für Biographieforschung, Oral History und Lebensverlaufsanalysen*, 30(1–2), 60–75. <https://doi.org/10.3224/bios.v30i1-2.06>
- Windhager, F., Federico, P., Schreder, G., Glinka, K., Dörk, M., Miksch, S., & Mayr, E.** (2019). Visualization of Cultural Heritage Collection Data: State of the Art and Future Challenges. *IEEE Transactions on Visualization and Computer Graphics*, 1–1. <https://doi.org/10.1109/TVCG.2018.2830759>
- Windhager, F., Salisu, S., Schreder, G., & Mayr, E.** (2018). Orchestrating Overviews. A Synoptic Approach to the Visualization of Cultural Collections. *Remaking Collections. Special Issue of the Open Library of the Humanities*, 4(2), 1–39. <https://doi.org/10.16995/olh.276>
- Mayr, E., & **Windhager, F.** (2018). Once upon a Spacetime: Visual Storytelling in Cognitive and Geotemporal Information Spaces. *ISPRS International Journal of Geo-Information*, 7(3), 96. <https://doi.org/10.3390/ijgi7030096>
- Windhager, F., Schlögl, M., Kaiser, M., Bernad, Á., Salisu, S., & Mayr, E.** (2018). Beyond One-dimensional Portraits: A Synoptic Approach to the Visual Analysis of Biography Data. In A. Fokkens, et al. (eds.) *Proceedings of BD-2017 - Biographical Data in a Digital World*, CEUR, Linz. Available at: [ceur-ws.org/Vol-2119/paper11.pdf](http://ceur-ws.org/Vol-2119/paper11.pdf)
- Windhager, F., Federico, P., Salisu, S., Schlögl, M., & Mayr, E.** (2017). *A Synoptic Visualization Framework for the Multi-Perspective Study of Biography and Prosopography Data*. 2nd IEEE VIS Workshop on Visualization for the Digital Humanities (VIS4DH'17), Phoenix, AZ. Available at: [www.informatik.uni-leipzig.de/~stjaenicke/vis4dh/Vis4DH2017\\_paper\\_14.pdf](http://www.informatik.uni-leipzig.de/~stjaenicke/vis4dh/Vis4DH2017_paper_14.pdf)
- Windhager, F., Zenk, L., & Risku, H.** (2008). Situated Organizational Mapping. In C. Stegbauer (Ed.), *Netzwerkanalyse und Netzwerktheorie. Ein neues Paradigma in den Sozialwissenschaften* (pp. 239–249). Wiesbaden: VS Verlag. [https://link.springer.com/chapter/10.1007/978-3-531-92029-0\\_18](https://link.springer.com/chapter/10.1007/978-3-531-92029-0_18)

For a full list of papers and presentations, see: <https://www.donau-uni.ac.at/en/florian.windhager>