

Curriculum Vitae

Dr. Eva Mayr

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2 children (born 2012, 2015)

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MAIN RESEARCH INTERESTS:

Digitally mediated (informal) learning processes, cognitively grounded design of information visualizations, research methods (experimental studies, quantitative statistics, HCI, user-centered design)

SCIENTIFIC WORK EXPERIENCE

- Since 07/2020 Senior research scientist at the Department for Arts and Cultural Studies, Danube University Krems (Austria)
- 07/2017 – 06/2020 Head of research group on information visualization at the Department of Knowledge & Communication Management, Danube University Krems (Austria)
- 01/2008 – 06/2017 Research associate at the Center for Cognition, Information & Management (former KnowComm), Danube University Krems (Austria)
- 03/2005 – 08/2005 Project assistant at the department for developmental psychology, University of Vienna (Austria)
- 03/2005 – 08/2005 Lecturer at the department for developmental psychology, University of Vienna (Austria)
- 03/2002-01/2005 Study assistant at the department for developmental psychology, University of Vienna (Austria)

EDUCATION

- 09/2005 – 07/2009 PhD in Psychology at Tübingen University (Germany)
Thesis: Awareness of shared goals and adaptation of information to support learning in museums
- 10/1998 – 10/2004 Masters in Psychology at University of Vienna (Austria)

RESEARCH PROJECTS

- 11/2020 – 10/2023 **In/Tangible Cultural Heritage: Visual Analysis, Communication and Curation**
Funding: H2020 DT-TRANSFORMATIONS-12-2018-2020
Budget: € 2,984,987.50
Role: coordinator
- 09/2017 – 09/2019 **Visualization of Cultural Heritage Collections with Focus on Spatiotemporal Data Quality**
Funding: NFB SC16-032, Science Call Dissertationen
Budget: € 39,465
Role: supervisor

- 04/2016 – 03/2020 **polycube - Towards integrated mental models of cultural heritage data**
Funding: FWF P28363, Stand-alone project
Budget: € 342,895
Role: project lead
- 10/2015 – 12/2018 **DJ Isotype – Isotype goes data journalism**
Funding: FFG 850751, Bridge
Budget: € 308,300
Role: project lead (on maternity leave 10/2015-02/2017)
- 09/2013 – 12/2016 **spoc – Schema Processing in Organizational Culture**
Funding: FFG 841344, Bridge
Budget: € 360,451
Role: scientific project lead
- 01/2013 – 12/2016 **Gendertime - Transferring Implementing Monitoring Equality**
Funding: EU, RP7
Role: member of project team
- 04/2010 – 03/2013 **ViADUKT – Verständliches InformAtionsDesign für UnternehmensKommunikationsTechnologien**
Funding: FFG, Bridge
Budget: € 295,843
Role: scientific project lead
- 04/2010 – 10/2011 **Innomat 2 – Innovativ und barrierefrei Tickets kaufen**
Funding: FFG, ways2go
Role: member of project team
- 10/2008 – 06/2009 **Innomat – Innovativer barrierefreier Fahrkartenautomat**
Funding: FFG, ways2go
Role: member of project team
- 03/2008 – 04/2010 **DisCo - Visual Analytics Methoden zur visuellen sowie automatischen Analyse von multivariaten, zeitorientierten Daten und Informationen**
Funding: FFG, FIT-IT Visual Computing
Role: member of project team
- 01/2008 – 12/2009 **PROLIX - PProcess-Oriented Learning and Information eXchange**
Funding: EU, RP6
Role: member of project team
- 09/2005 – 12/2008 **Lernen im Museum: Die Rolle von Medien für die Resituierung von Exponaten**
Funding: Pakt für Forschung & Innovation / Leibniz-Gemeinschaft
Role: associated member of project team
- 03/2005 – 08/2005 **eLearning Strategie Projekt**
Funding: Vienna University
Role: member of project team
- 09/2003 – 01/2005 **Vienna transition to adulthood project**
Role: member of project team, project coordination

FURTHER TRAINING

- 11/2014 – 04/2016 Mentoring III for junior scientists
 (Universities Krems, Salzburg & Linz)

- 09/2010 – 01/2011 Professional project management
(Danube University Krems)
- 10/2009 – 06/2010 fForte Coaching – Training on project development and management
for women in science
(Federal Ministry of Science, Austria)

TEACHING EXPERIENCE

- 01/2014 Wissenschaftliches Arbeiten, Donau Universität Krems
- 02/2013 Usability, Donau Universität Krems
- 01/2011 – 03/2011 Einführung in die Forschungsstatistik, Donau Universität Krems
- 02/2008 – 08/2011 PreCamp „Einführung in das wissenschaftliche Arbeiten“, Donau
Universität Krems
- SS 2005 UE „Angewandte Methoden der Kinder- und Jugendforschung“,
Universität Wien
- SS 2005 PS Entwicklungspsychologie: Kognitive Entwicklung“, Universität Wien
- 03/2002-01/2005 Tutorien zur Entwicklungspsychologie: wissenschaftliche
Literaturrecherche, Zitieren, Präsentieren mit Powerpoint, Universität
Wien

GRANTS & AWARDS

- 10/2019 tectnet accent Innovation Award for the research project DJ Isotype
- 10/2014 Rudolph J. Joenk, Jr. Award for Best Paper in the IEEE Transactions on
Professional Communication
- 09/2005 – 12/2008 PhD scholarship of the German research association (Deutsche
Forschungsgemeinschaft, DFG) in the virtual PhD program (VGK)
“Knowledge acquisition and knowledge exchange with new media ”

REVIEW EXPERIENCE

- Conferences CogSci, interact, CHI, CeDem, IEEE Vis, EuroVis, IVAPP, DHD
- Journals Information Visualization, Computers & Graphics, PLOS ONE, IJGI

PUBLICATIONS

Refereed journal articles

- 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 & Applications*, 40(3), 58-71. <https://doi.org/10.1109/MCG.2020.2985368>
- 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 & Computer Graphics*, 25, 2311-2330. <https://doi.org/10.1109/TVCG.2018.2830759>
- 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>
- 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., Salisu, S., Schreder, G., & **Mayr, E.** (2018). Orchestrating overviews. A synoptic approach to the visualization of cultural collections. *Open Library of the Humanities*, 4(2), 1–39. <https://doi.org/10.16995/olh.276>
- Schreder, G., Windhager, F., Smuc, M., & **Mayr, E.** (2016). A mental models perspective on designing information visualizations for political communication. *JeDEM - eJournal of EDemocracy and Open Government*, 8(3), 80–99. Available at: <https://jedem.org/index.php/jedem/article/view/443/370>
- Windhager, F., **Mayr, E.**, Schreder, G., & Smuc, M. (2016). Linked information visualization for linked open government data. A visual synthetics approach to governmental data and knowledge collections. *JeDEM - eJournal of EDemocracy and Open Government*, 8(2), 87–115. Available at: <https://jedem.org/index.php/jedem/article/view/443/370>
- Mayr, E.** & Schreder, G. (2014) Isotype visualizations. A chance for participation and civic education. *eJournal of eDemocracy & Open Government*, 6, 123-135.
- Siebenhandl, K., Schreder, G., Smuc, M., **Mayr, E.**, & Nagl, M. (2013). A user-centered design approach to self-service ticket vending machines. *IEEE Transactions on Professional Communication*, 56, 138-159. <https://doi.org/10.1109/TPC.2013.2257213>
- Pohl, M., Smuc, M., & **Mayr, E.** (2012). The user puzzle. Explaining the interaction with visual analytics systems. *IEEE Transactions on Visualization & Computer Graphics*, 18, 2908-2916. <https://doi.org/10.1109/TVCG.2012.273>
- Mayr, E.**, Smuc, M., & Risku, H. (2011). Many roads lead to Rome: Mapping users' problem-solving strategies. *Information Visualization*, 10, 232-247.
- Schreder, G. Siebenhandl, K., **Mayr, E.**, Smuc, M., & Nagl, M. (2011). Narrative interaction as means for intuitive public information systems. *International Journal of Public Information Systems*, 7, 143-149.

- Risku, H., **Mayr, E.**, Windhager, F., & Smuc, M. (2011). An extended model of knowledge communication. The situational view of dealing with asymmetries. *Fachsprache - International Journal of Specialized Communication*, (3-4), 168-186.
- Knipfer, K., **Mayr, E.**, Zahn, C., Schwan, S. & Hesse, F. W. (2009). Computer support for knowledge communication in science exhibitions: Novel perspectives from research on collaborative learning. *Educational Research Review*, 4, 196-209.
- Sirsch, U., Dreher, E., **Mayr, E.**, & Willinger, U. (2009). What does it take to be an adult in Austria? Views of adulthood in Austrian adolescents, emerging adults, and adults. *Journal of Adolescent Research*, 24, 275-292.
- Smuc, M., **Mayr, E.**, Lammarsch, T., Aigner, W., Miksch, S., & Gärtner, J. (2009). To score or not to score? Tripling insights for participatory design. *IEEE Computer Graphics & Application*, 29(3), 29-38.
- Risku, H., **Mayr, E.**, & Smuc, M. (2009). Situated interaction and cognition in the wild, wild world: Unleashing the power of users as innovators. *Journal of Mobile Multimedia*, 5, 287-300.
- Wessel, D., & **Mayr, E.** (2007). Potentials & challenges of mobile media in museums. *International Journal of Interactive Mobile Technologies*, 1(1), 32-39.

Papers in refereed conference proceedings

- Mayr, E.**, Hynek, N., Salisu, S., & Windhager, F. (2019). Trust in information visualization. In R. Kosara, K. Lawonn, L. Linsen, & N. Smit (Eds.), *EuroVis Workshop on Trustworthy Visualization* (pp. 25-29) Porto: The Eurographics Association. <https://doi.org/10.2312/trvis.20191187>
- Mayr, E.**, Salisu, S., Filipov, V. A., Schreder, G., Leite, R.A., Miksch, S., & Windhager, F. (2019). *Visualizing Biographical Trajectories by Historical Artifacts: A Case Study based on the Photography Collection of Charles W. Cushman*. Paper presented at Biographical Data in a Digital World 2019, awaiting publication. <https://doi.org/10.17605/OSF.IO/E62X4>
- Salisu, S., **Mayr, E.**, Windhager, F., Filipov, V., Leite, R. & Miksch, S. (2019). Shapes of time: Visualizing set changes over time in cultural heritage collections. *EuroVis 2019 - posters* (45-47). Eurographics.
- Mayr, E.**, Schreder, G., & Windhager, F. (2018). Digital HUMANities - Eine benutzerzentrierte Perspektive [Digital HUMANities - a user-centered perspective]. *Proceedings of Digital Humanities im deutschsprachigen Raum (DHd) 2018*, Köln. Available at: <http://dhd2018.uni-koeln.de/wp-content/uploads/boa-DHd2018-web-ISBN.pdf>
- Schreder, G., Hynek, N., Windhager, F., & **Mayr, E.** (2018). Rediscovering Isotype from a cognitive perspective. In P. Chapman et al. (Eds.), *Diagrammatic Representation and Inference* (LNAI 10871, pp. 458-469). Cham: Springer International Publishing.
- Windhager, F., Filipov, V. A., Salisu, S., & **Mayr, E.** (2018). Visualizing Uncertainty in Cultural Heritage Collections. *EuroRVV: EuroVis Workshop on Reproducibility, Verification, and Validation in Visualization*, EuroVIS 2018, The Eurographics Association. <https://doi.org/10.2312/eurorv3.20181142>
- Windhager, F., Glinka, K., **Mayr, E.**, Schreder, G., & Dörk, M. (2018). Zur Weiterentwicklung des "cognition support": Sammlungsvisualisierungen als Austragungsort kritisch-kulturwissenschaftlicher Forschung. *Digital Humanities im deutschsprachigen Raum (DHd)*,

Köln. Available at: https://uclab.fh-potsdam.de/wp/wp-content/uploads/dhd2018_abstract_windhager_etal.pdf

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

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

Windhager, F., **Mayr, E.**, Schreder, G., Wandl-Vogt, E., & Gruber, C. (2017). Zur polykubistischen Informationsvisualisierung von Biographiedaten. In *Book of Abstracts of the Conference for Digital Humanities in the German Speaking Countries (DHD 2017)* (S. 212–216). Bern.

Mayr, E., Federico, P., Miksch, S., Schreder, G., Smuc, M., & Windhager, F. (2016). Visualization of cultural heritage data for casual users. In *Proceedings of IEEE VIS Workshop on Visualization for the Digital Humanities*. Available at: <http://vis4dh.com/papers/Visualization%20of%20Cultural%20Heritage%20Data%20for%20Casual%20Users.pdf>

Mayr, E., Schreder, G., Smuc, M., Windhager, F. (2016). Looking at the representations in our mind: Measuring mental models of information visualizations. In M. Sedlmair, P. Isenberg, T. Isenberg, N. Mahyar & H. Lam (Eds.), *Beyond Time and Errors: Novel Evaluation Methods for Visualization* (pp. 96-103). New York: ACM.

Schreder, G., Windhager, F., Smuc, M., & **Mayr, E.** (2016). Supporting cognition in the face of political data and discourse: A mental models perspective on designing information visualization systems. In *Proceedings of the Sixth International Conference for eDemocracy and Open Government (CeDEM)*, pp. 213-218). Los Alamitos, CA: IEEE Computer Society.

Windhager, F., Federico, P., **Mayr, E.**, Schreder, G., & Smuc, M. (2016). A review of information visualization approaches and interfaces to digital cultural heritage collections. In W. Aigner, G. Schmiedl, K. Blumenstein, & M. Zeppelzauer (Eds.), *Proceedings of the 9th Forum Media Technology* (pp. 74-81), St. Pölten: CEUR.

Windhager, F., **Mayr, E.**, Schreder, G., Smuc, M., Federico, P., & Miksch, S. (2016). Reframing Cultural Heritage Collections in a Visualization Framework of Space-Time Cubes. In M. Düring (Hrsg.), *Proceedings of the 3rd Histoinformatics Workshop* (Bd. Vol-1632, S. 20–24). Krakow: CEUR-WS. <http://ceur-ws.org/Vol-1632/>

Siebenhandl, K., & **Mayr, E.** (2015). GenderTime: Evaluation of Measures for Women Encouragement in Science Organisations. In *womENCourage online proceedings*. Uppsala: ACM.

Smuc, M., Schreder, G., **Mayr, E.**, & Windhager, F. (2015). Should we dream the impossible dream of reproducibility in visual analytics evaluation? In W. Aigner, P. Rosenthal, & C. Scheidegger, C. (Eds.), *EuroVis Workshop on Reproducibility, Verification, and Validation in Visualization* (EuroRV3, pp. 31-33). Cagliari, Italy: The Eurographics Association.

Windhager, F., Schreder, G., Smuc, M., & **Mayr, E.** (2015). Drawing things together: Supporting information visualizations' coherence across multiple views. In *Proceedings of the IEEE*

Information Visualization Conference 2016 (Posters Compendium). IEEE Computer Society Press.

Mayr, E. & Schreder, G. (2014). Isotype visualizations as a chance for participation & civic education. In P. Parycek & N. Edelmann (Eds.), *CeDEM14. Conference for E-Democracy and Open Government* (pp. 363-374). Krems: Edition Donau-Universität.

Windhager, F. & **Mayr, E.** (2012). Cultural heritage cube. A conceptual framework for visual exhibition exploration. In *Proceedings of the 16th International Conference on Information Visualisation (IV 2012)*, pp. 540-545), IEEE Computer Society, Los Alamitos, CA.

Windhager, F. & **Mayr, E.** (2011). Re-positioning exhibits in time and space. In *Proceedings of Re-Thinking Technology in Museums*. Limerick, Ireland.

Mayr, E., Smuc, M., & Risku, H. (2010). Many roads lead to Rome. Mapping users' problem solving strategies. In E. Bertini, H. Lam, & A. Perer (Eds.), *Proceedings of BELIV'10* (pp. 8-15).

Smuc, M., **Mayr, E.**, & Risku, H. (2010). Is your user hunting or gathering insights? Identifying insight drivers across domains. In E. Bertini, H. Lam, & A. Perer (Eds.), *Proceedings of BELIV'10* (pp. 49-54).

Smuc, M., **Mayr, E.**, & Windhager, F. (2010). The game lies in the eye of the beholder: The influence of expertise on watching soccer. *Proceedings of the 32nd Annual Conference of the Cognitive Science Society*. Austin, TX: Cognitive Science Society (pp. 1631-1637).

Schreder, G., Siebenhandl, K., **Mayr, E.**, & Smuc, M. (2009). Hindernis Fahrkartenautomat? Höhere Mobilitätschancen durch zugängliche und benutzerfreundliche Fahrkartenautomaten. In P. von Hellberg & G. Kempter (Eds.), *uDayVII. Technologienutzung ohne Barrieren* (pp. 105-114). Lengerich, Germany: Pabst.

Schreder, G., Siebenhandl, K., **Mayr, E.**, & Smuc, M. (2009). The ticket machine challenge? Social inclusion by barrier-free ticket vending machines. In B. Sapio, L. Haddon, E. Mante-Meijer, L. Fortunati, T. Turk, & E. Loss (Eds.), *The good, the bad and the challenging: The user and the future of information and communication technologies* (pp. 780-790). Koper, Slovenia: ABS-Center.

Smuc, M. **Mayr, E.**, Risku, H., & Windhager, F. (2009). Finding your way in chronoland: Visual metaphors for orientation of temporal data explorers. In N. A. Taatgen & H. van Rijn (Eds.), *Proceedings of the 31st Annual Conference of the Cognitive Science Society* (pp. 467-472). Austin, TX: Cognitive Science Society.

Zenk, L., **Mayr, E.**, Pircher, R., & Risku, H. (2009). Contextualization of situated e-learning and knowledge transfer in organizations. In K. Hinkelmann & H. Wache (Eds.), *WM2009: 5th Conference on Professional Knowledge Management* (pp. 42-51). Bonn, Germany: Gesellschaft für Informatik.

Mayr, E., Smuc, M., Risku, H., Aigner, W., Bertone, A., Lammarsch, T. & Miksch, M. (2010). Mapping the Users' Problem Solving Strategies in the Participatory Design of Visual Analytics Methods. In G. Leitner, M. Hitz, & A. Holzinger (Eds.), *HCI in work and learning, life and leisure* (pp. 1-13). Berlin: Springer.

Schreder, G., Siebenhandl, K., & **Mayr, E.** (2009). E-inclusion in public transport: The role of self-efficacy. In A. Holzinger & K. Miesenberger (Eds.), *HCI and Usability for e-Inclusion* (pp. 301-311). Berlin, Germany: Springer.

- Mayr, E.,** Zenk, L., & Risku, H. (2008). Organisational analysis as important factor for optimization of workplace learning. In S. Hambach, A. Martens, & B. Urban (Eds.), *e-Learning Baltics 2008 - Proceedings of the 1st International eLBa Science Conference* (pp. 1-9). Stuttgart, Germany: Fraunhofer IRB Verlag.
- Pircher, R., **Mayr, E.,** Zenk, L., & Risku, H. (2008). Strategic e-learning in the workplace. Proceedings of ICELW - The International Conference on E-Learning in the Workplace 2008. New York, USA.
- Smuc, M., **Mayr, E.,** Lammarsch, T., Bertone, A., Aigner, W., Risku, H., & Miksch, S. (2008). Visualizations at first sight. Do insights require training? In A. Holzinger (Ed.), *HCI and usability for education and work* (pp. 261-280). Berlin, Germany: Springer.
- Zenk, L., Pircher, R., **Mayr, E.,** & Risku, H. (2008). Management of situated e-learning in organizations. In K. Tochtermann, H. Maurer, F. Kappe, & W. Haas (Eds.), Proceedings of I-KNOW '08 and I-MEDIA '08. International Conferences on Knowledge Management and New Media Technology (pp. 280-287). Graz: J.UCS-Verlag der Technischen Universität Graz.
- Mayr, E.** (2007). Goal-awareness and goal-adaptive information presentation to support collaborative learning in informal settings. In *Proceedings of the 8th International conference on Computer supported collaborative learning* (pp. 859-861). International Society of the Learning Sciences.
- Mayr, E.** (2007). Goal-awareness and goal-adaptive information presentation to support collaborative learning in informal settings. In *Proc. IMCL*.
- Mayr, E.,** & Wessel, D. (2007). Potentials & challenges of mobile media in museums. In *Proceedings of International Conference on Interactive Mobile & Computer-Aided Learning (IMCL)*, Amman.
- Mayr, E.,** Zahn, C., & Hesse, F. W. (2007). Supporting information processing in museums with adaptive technology. In *Proc. CogSci* (pp. 552-557).
- Wessel, D., **Mayr, E.,** & Knipfer, K. (2007). Re-viewing the museum visitor's view. In *Workshop Research Methods in Informal and Mobile Learning, Institute of Education, London, UK*.
- Leidenfrost, B., **Mayr, E.** & Jirasko, M. (2006). Tutorielle Interventionen zur Förderung von virtueller Kommunikation und Kooperation. In B. Gula, R. Alexandrowicz, S. Strauss, E. Brunner, B. Jenull-Schiefer & O. Vitouch (Hrsg.), *Perspektiven psychologischer Forschung in Österreich* (S. 349-355). Lengerich: Papst Science Publishers.
- Mayr, E.,** Leidenfrost, B. & Jirasko, M. (2005). Effektivität und Effizienz von virtueller und präsenster Auseinandersetzung mit Lernmaterialien. In D. Tavangarian & K. Nölting (Hrsg.), *Auf zu neuen Ufern! E-Learning heute und morgen* (S. 57-66). Münster: Waxmann.
- Mayr, E.,** Leidenfrost, B. & Jirasko, M. (2005). Vermittlung von Kognition, Kompetenz, Kommunikation und Kooperation im Blended Learning. Umsetzung und Evaluierung des K⁴-Modells zur Kursgestaltung. In Forum neue Medien (Hrsg.), *Virtuelle Kommunikation und Kollaboration* (S. 13-21). Graz: Verlag Forum Neue Medien.

Chapters in edited books

- Mayr, E.** & Windhager, F. (2020). Vor welchem Hintergrund und mit Bezug auf was? Zur polykontextualen Visualisierung kultureller Sammlungen. In U. Andraschke, & S. Wagner (Hrsg.), *Objekte im Netz. Wissenschaftliche Sammlungen im digitalen Wandel* (S. 235-245). Bielefeld: transcript. DOI: 10.14361/9783839455715-017

- Mühlmann, K., Nagl, M., Schreder, G., & **Mayr, E.** (2014) Von Helden und Schurken - Ein soziokognitives Modell zu Wirkungen von Narrationen in Organisationen. In S. Ettl-Huber (Ed.), *Storytelling in der Organisationskommunikation. Theoretische und empirische Befunde* (pp. 27-40). Wiesbaden: Springer VS.
- Schreder, G., Smuc, M., Siebenhandl, K., & **Mayr, E.** (2013). Age and computer self-efficacy in the use of digital technologies: An investigation of prototypes for public self-service terminals. In C. Stephanidis & M. Antona (Eds.), *Universal access in human-computer interaction. User and context diversity* (pp. 221-230). Berlin: Springer.
- Schreder, G., Siebenhandl, K., **Mayr, E.**, & Smuc, M. (2012). The ticket machine challenge: Social inclusion by barrier-free ticket vending machines. In E. F. Loos, L. Haddon, & E. Mante-Meijer (Eds.), *Generational use of new media* (pp. 129-148). Ashgate.
- Mayr, E.** (2010). Warum „Trainings von der Stange“ nicht passen. Maßgeschneiderte Weiterbildung für Organisationen. In H. Risku & M. Peschl (Eds.), *Kognition und Technologie im kooperativen Lernen. Vom Wissenstransfer zur Knowledge Creation* (pp. 109-120). Göttingen: Vienna University Press.
- Risku, H. Windhager, F., Smuc, M., & **Mayr, E.** (2010). Ein Hammer für eine Schraube? Angepasste Weiterbildung in Organisationen – Eine Frage von Kultur, Kognition und Technologie. In H. Risku & M. Peschl (Eds.), *Kognition und Technologie im kooperativen Lernen. Vom Wissenstransfer zur Knowledge Creation* (pp. 93-108). Göttingen: Vienna University Press.
- Mayr, E.**, Knipfer, K., & Wessel, D. (2009). In-sights into mobile learning: An exploration of mobile eye tracking methodology for learning in museums. In G. Vavoula, N. Pachler, & A. Kukulska-Hulme (Eds.), *Researching mobile learning: Frameworks, tools and research designs* (pp. 189-204). Oxford: Peter Lang.
- Mayr, E.**, & Adamek, M. & (2007). Austria. In J. J. Arnett (Ed.) *International Encyclopedia of Adolescence* (Vol. I, pp. 50-52). New York: Routledge.

Technical reports

- Siebenhandl, K. & **Mayr, E.** (2014). *Mid-term report about cooperation evaluation and impact evaluation of the implementation of Gender Action Plans in GenderTime*. Public deliverable within the EU-funded project GenderTime. Krems: Danube University.
- Mayr, E.**, Zenk, L., & Risku, H. (2009). *Final version of organisational decision support*. Public deliverable within the EU-funded project PROLIX.
- Mayr, E.**, Zenk, L., Pircher, R., & Risku, H. (2008). *Delivery of learning assessment guidelines advanced version*. Public deliverable within the EU-funded project PROLIX. Krems: Danube University.
- Adamek, M., Dreher, E., & **Mayr, E.** (2004). *German version of the Inventory of the Dimensions of Emerging Adulthood (IDEA-G)*. Unpublished questionnaire. Vienna: Department of Developmental Psychology, University of Vienna.

Preprints

- Mayr, E.**, Salisu, S., Filipov, V. A., Schreder, G., Leite, R.A., Miksch, S., & Windhager, F. (2019). *Visualizing Biographical Trajectories by Historical Artifacts: A Case Study based on the Photography Collection of Charles W. Cushman*. Paper presented at Biographical Data in a Digital World 2019, awaiting publication. <https://doi.org/10.17605/OSF.IO/E62X4>

Windhager, F., Schreder, G. & **Mayr, E.** (2019). *Designing for a Bigger Picture: Towards a Macrosyntax for Information Visualizations.* Preprint. <https://doi.org/10.31219/osf.io/g9kdt>

Mayr, E., Schreder, G., Salisu, S., & Windhager, F. (2018). *Integrated visualization of space and time: A distributed cognition perspective.* <http://osf.io/9cjh5>