



Dr Philipp Mayr-Schlegel

Affiliation:

GESIS – Leibniz Institute for the Social Sciences
Unter Sachsenhausen 6-8
50667 Cologne, Germany
+49 - (0)221 - 47694 - 533
philipp.mayr@gesis.org

Born in Munich, Germany
Married, Residing in Wachtberg, Germany
Nationality: German

Philipp Mayr is a team leader and senior researcher at the GESIS department Knowledge Technologies for the Social Sciences (WTS). He has been a visiting professor for knowledge representation at University of Applied Sciences in Darmstadt, Department of Information Science & Engineering during 2009-2011. Philipp Mayr received his PhD in applied informetrics and information retrieval from the Berlin School of Library and Information Science at Humboldt University Berlin in 2009. To date, he has been awarded substantial research funding (PI, Co-PI) from national and European funding agencies. Philipp Mayr has published in top conferences and prestigious journals in the areas informetrics, information retrieval and digital libraries. His research group focuses on methods and techniques for interactive information retrieval. His research interests include: interactive information retrieval, scholarly recommendation systems, non-textual ranking, bibliometric and scientometric methods, applied informetrics, science models in digital libraries, knowledge representation, semantic technologies, user studies, information behavior.

EDUCATION

February 2009

Graduation: Dr. phil. from Humboldt-Universität zu Berlin, Berlin School of Library and Information Science. Doctoral Thesis: “Re-Ranking auf Basis von Bradfordizing für die verteilte Suche in Digitalen Bibliotheken”, Supervisor: Prof. Dr. Walther Umstätter (Humboldt-Universität zu Berlin) Co-Referent: Prof. Dr. Jürgen Krause (GESIS and Universität Koblenz)
Grade "Magna cum laude"

2005-2008

Doctoral studies in the research group of Jürgen Krause “Modeling and Treatment of Semantic Heterogeneity” at GESIS - Leibniz Institute for the Social Sciences

March 2004

Graduation: Magister Artium (M.A.), Humboldt-Universität zu Berlin
Grade 1.4

1997-2004

Studies of Library and Information Science, Computer Science and Social Sciences at Humboldt-Universität zu Berlin, Germany

1995-1996

Mandatory civil service at “Asklepios Nordseeklinik Westerland”

1995

Graduation: Abitur

SCIENTIFIC CAREER

Since 07.2010

Team leader at GESIS, leading the team “Portals and Value-added Services” with ten computer scientists and doctoral students

02.2011-12.2018

Deputy department head at GESIS, department “Knowledge technologies for the Social Sciences”

10.2012-09.2015

Senior lecturer at University of Applied Sciences Cologne (TH Köln), Faculty 03 of Information Science

2012

Offer of a full professorship (W2) in Information Science at the University of Applied Sciences Darmstadt (rejected)

10.2009-08.2011

Visiting professor for knowledge representation at Hochschule Darmstadt, Germany

2009-2010

Postdoctoral Researcher at GESIS, Germany

11.2004-01.2009

Research associate in the research and development department at GESIS, Germany

04.2001-10.2004

IT consultant and developer at HiSolutions AG, Berlin

SCIENTIFIC PROJECTS AND GRANTS

ConDATA

2019: DFG project “ConDATA” - Establishing Contextual Dataset Retrieval - transferring concepts from document to dataset retrieval (ConDATA). Role: PI

OASE <<https://www.gesis.org/forschung/drittmittelprojekte/projektuebersicht-drittmittel/oase/>>

Since 2018: BMBF project “OASE” - “Open Access-Effekte” - Strukturelle und autorspezifische Einflussfaktoren auf den Impact von OA-Publikationen. Role: PI, together with Isabella Peters, ZBW Leibniz-Informationszentrum Wirtschaft & CAU Christian-Albrechts-Universität zu Kiel

EXCITE <<http://www.gesis.org/forschung/drittmittelprojekte/projektuebersicht-drittmittel/excite/>>

Since 2016: DFG project “EXCITE” - Extraction of Citations from PDF Documents. Role: PI, together with Steffen Staab, WeST – Institute for Web Science and Technologies, University of Koblenz-Landau

POLLUX <<http://www.gesis.org/forschung/drittmittelprojekte/projektuebersicht-drittmittel/fid-politik/>>

Since 2016: DFG project “POLLUX” - Fachinformationsdienst Politikwissenschaft. Role: PI, together with Staats- und Universitätsbibliothek Bremen (SUUB)

AMUR <<http://www.gesis.org/forschung/drittmittelprojekte/projektuebersicht-drittmittel/amur-benutzerfuehrung-und-systemverbesserung-fuer-retrievalsitzungen/>>

2015-2018: DFG project “AMUR” - User Guidance and System Tuning for Search Sessions. Role: PI, together with Norbert Fuhr, Universität Duisburg-Essen

OSCOSS <<http://www.gesis.org/forschung/drittmittelprojekte/projektuebersicht-drittmittel/oscross/>>

Since 2015: DFG project “OSCOSS” - Opening Scholarly Communications in Social Sciences. Role: PI, together with Sören Auer and Christoph Lange, University of Bonn

Linked.SWISSBIB <<http://www.gesis.org/forschung/drittmittelprojekte/projektuebersicht-drittmittel/linkedswissbibch/>>

2015-2017: Swiss SUC P-2 program project linked.swissbib.ch. Role: PI, together with René Schneider, Haute école de gestion de Genève

Competence Centre for Bibliometrics <<http://bibliometrie.info/>>

Since 2014: Project “Competence Centre for Bibliometrics”. Role: member of the consortium, GESIS PI, together with DZHW, Fraunhofer ISI, Universität Bielefeld, FIZ Karlsruhe, Max-Planck Digital Library, ZB

Jülich. Poolprojects: [Efficient Retrieval of Web of Science data with Elasticsearch; Analyzing Self-citations in Web of Science; Author Disambiguation in WoS;]

Monitoring Bildungsforschung <<http://www.gesis.org/forschung/drittmittelprojekte/archiv/monitoring-bildungsforschung-mobi/>>
From 2011-2014: Project „Entwicklung und Veränderungsdynamik eines heterogenen sozialwissenschaftlichen Feldes am Beispiel der Bildungsforschung“, Role: PI, together with DIPF, IFQ, ZPID

IRM I and II <<http://www.gesis.org/forschung/drittmittelprojekte/archiv/irm/>>
From 2009-2013: DFG project “Value-Added Services for Information Retrieval” Part I and II. Role: PI and key scientist

KoMoHe <<http://www.gesis.org/forschung/drittmittelprojekte/archiv/komohe/>>
From 2004-2008: BMBF project „Kompetenzzentrum Modellbildung und Heterogenitätsbehandlung“. Role: key scientist

SELECTED SERVICES

My team “Portals and Value-added Services” at GESIS and I maintain and further develop the following information systems:

GESIS wide search engine
New service to be launched in 2017

SSOAR full text repository <<http://www.ssoar.info/>>
Since 2011, Role: technical lead, project development, specification of new services and features, coordination with department CSS

sowiport search engine for the social sciences <<http://sowiport.gesis.org/>>
2010-2018, Role: technical lead, project development, specification of new services and features coordination with department CSS

LeibnizOpen full text repository <<http://www.leibnizopen.de/home/>>
Since 2013, Role: technical lead, project development, specification of new services and features coordination with department CSS

ZIS Zusammenstellung sozialwissenschaftlicher Items und Skalen <<http://zis.gesis.org/>>
Since 2016, Role: coordination with department SDM

Familienfreundliche Wissenschaft <<http://familienfreundliche-wissenschaft.org/home/>>
Since 2013, Role: coordination with department DBG

SELECTED PEER-REVIEWED PUBLICATIONS

See full list of publications in a separate list. See also <https://philippmayr.github.io/#pub> or <http://scholar.google.com/citations?hl=en&user=RIB8suEAAAAJ>

Kacem, A., & Mayr, P. (2018). Analysis of Search Stratagem Utilisation. *Scientometrics*, 116(2), 1383–1400. <https://doi.org/10.1007/s11192-018-2821-8>

Carevic, Z., Schüller, S., Mayr, P., & Fuhr, N. (2018). Contextualised Browsing in a Digital Library’s Living Lab. In *Proceedings of the 18th ACM/IEEE on Joint Conference on Digital Libraries* (pp. 89–98). Fort Worth, Texas, USA: ACM New York, NY, USA. <https://doi.org/10.1145/3197026.3197054>

Carevic, Z., Lusky, M., van Hoek, W., & Mayr, P. (2018). Investigating Exploratory Search Activities based on the Stratagem Level in Digital Libraries. *International Journal on Digital Libraries*. Retrieved from <https://arxiv.org/abs/1706.06410> <https://doi.org/10.1007/s00799-017-0226-6>

- Bensmann, F., Zapilko, B., & Mayr, P. (2017). Interlinking Large-scale Library Data with Authority Records. *Frontiers in Digital Humanities*, 4. <http://doi.org/10.3389/fdigh.2017.00005>
- Mayr, P., & Scharnhorst, A. (2015). Scientometrics and Information Retrieval - weak-links revitalized. *Scientometrics*, 102(3), 2193–2199. <http://doi.org/10.1007/s11192-014-1484-3>
- Mutschke, P., & Mayr, P. (2015). Science Models for Search. A Study on Combining Scholarly Information Retrieval and Scientometrics. *Scientometrics*, 102(3), 2323–2345. <http://doi.org/10.1007/s11192-014-1485-2>
- Mayr, P. (2013). Relevance distributions across Bradford Zones: Can Bradfordizing improve search? In J. Gorraiz, E. Schiebel, C. Gumpenberger, M. Hörlesberger, & H. Moed (Eds.), *14th International Society of Scientometrics and Informetrics Conference* (pp. 1493–1505). Vienna, Austria. <http://arxiv.org/abs/1305.0357>
- Mutschke, P., Mayr, P., Schaer, P., & Sure, Y. (2011). Science models as value-added services for scholarly information systems. *Scientometrics*, 89(1), 349–364. <http://doi.org/10.1007/s11192-011-0430-x>
- Hienert, D., Schaer, P., Schaible, J., & Mayr, P. (2011). A Novel Combined Term Suggestion Service for Domain-Specific Digital Libraries. In S. Gradmann, F. Borri, C. Meghini, & H. Schuldt (Eds.), *International Conference on Theory and Practice of Digital Libraries (TPDL)* (pp. 192–203). Berlin: Springer. http://doi.org/10.1007/978-3-642-24469-8_21
- Mayr, P., Mutschke, P., & Petras, V. (2008). Reducing semantic complexity in distributed digital libraries: Treatment of term vagueness and document re-ranking. *Library Review*, 57(3), 213–224. <http://doi.org/10.1108/00242530810865484>
- Mayr, P., & Walter, A.-K. (2007). An exploratory study of Google Scholar. *Online Information Review*, 31(6), 814–830. <http://doi.org/10.1108/14684520710841784>

EDITORIAL WORK AND REVIEWING

Special issues

- “Bibliometric-enhanced information retrieval” in **Scientometrics**. <https://link.springer.com/article/10.1007/s11192-018-2861-0>
- “Bibliometric-Enhanced Information Retrieval and Natural Language Processing for Digital Libraries” in **International Journal on Digital Libraries**. <https://link.springer.com/article/10.1007/s00799-017-0230-x>
- “Knowledge Maps and Information Retrieval” in **International Journal on Digital Libraries** <http://link.springer.com/10.1007/s00799-016-0204-4>.
- “Networked Knowledge Organization Systems (NKOS)” in **International Journal on Digital Libraries** <http://link.springer.com/10.1007/s00799-015-0167-x>
- “Combining bibliometrics and information retrieval” in **Scientometrics** <http://link.springer.com/article/10.1007/s11192-014-1484-3>

I am a member of the editorial board of the journals

- **Scientometrics,**
- **New Review of Hypermedia and Multimedia,**
- **International Journal on Digital Libraries**
- **Information - Wissenschaft & Praxis.**

I frequently review for the following list of:

- **International conferences:** TPD, JCDL, ASIST, Dublin Core, ESWC, ISWC, LWA, International Symposium of Information Science, iConference, WebSci,
- **Journals:** Scientometrics, JASIST, Journal of Informetrics, PLOS ONE, IJDL, Aslib Journal of Information Management, Knowledge and Information Systems

WORKSHOPS

Koesten, L. et al. (2018). DATA:SEARCH'18 - Searching Data on the Web. Ann Arbor, USA, **SIGIR 2018**, Role: Main organizer

Chandrasekaran, M. et al. (2018). Joint Workshop on Bibliometric-enhanced Information Retrieval and Natural Language Processing for Digital Libraries (BIRNDL 2018). Ann Arbor, USA, **SIGIR 2018**, Role: Main organizer

Tudhope, D. et al. (2018) 18th Networked Knowledge Organisation Systems and Services (NKOS). Thessaloniki, Greece. **TPDL 2018**, Role: Main organizer

Chandrasekaran, M. et al. (2017). Joint Workshop on Bibliometric-enhanced Information Retrieval and Natural Language Processing for Digital Libraries (BIRNDL 2017). Tokyo, Japan, **SIGIR 2017**, Role: Main organizer

Mayr, P., Tudhope, D. (2017) 17th Networked Knowledge Organisation Systems and Services (NKOS). Thessaloniki, Greece. **TPDL 2017**, Role: Main organizer

Mayr, P., Frommholz, I., & Cabanac, G. (2017). Fifth Workshop on Bibliometric-enhanced Information Retrieval. Aberdeen, UK, **ECIR 2017**, Role: Main organizer

Mayr, P., Tudhope, D. (2016) 15th Networked Knowledge Organisation Systems and Services (NKOS). Hannover, Germany. **TPDL 2016**, Role: Main organizer

Cabanac, G. et al. (2016). Joint Workshop on Bibliometric-enhanced Information Retrieval and Natural Language Processing for Digital Libraries (BIRNDL 2016). Newark, USA, **JCDL 2016**, Role: Main organizer

Mayr, P., Frommholz, I., & Cabanac, G. (2016). Third Workshop on Bibliometric-enhanced Information Retrieval. Padua, Italy, **ECIR 2016**, Role: Main organizer

Mayr, P., Tudhope, D. (2015) 14th Networked Knowledge Organisation Systems and Services (NKOS). Poznan, Poland. **TPDL 2015**, Role: Main organizer

Atanassova, I., Bertin, M., & Mayr, P. (2015). First Workshop on Mining Scientific Papers: Computational Linguistics and Bibliometrics. Istanbul, Turkey. **ISSI 2015**, Role: Main organizer

Mayr, P., Frommholz, I., Scharnhorst, A., & Mutschke, P. (2015). 2nd Bibliometric-enhanced Information Retrieval. Vienna. **ECIR 2015**. Role: Main organizer

Clarke, S. D., Greenberg, J., Lin, X., Mayr, P., & Tudhope, D. (2014). 13th Networked Knowledge Organisation Systems and Services (NKOS). London: ACM. **DL 2014**, Role: Main organizer

Mutschke, P., Scharnhorst, A., Guéret, C., Mayr, P., Hansen, P., & Slavic, A. (2014). Knowledge Maps and Information Retrieval (KMIR). London: ACM. **DL 2014**, Role: Co-organizer

Mayr, P., Scharnhorst, A., Larsen, B., Schaer, P., & Mutschke, P. (2014). First Bibliometric-enhanced Information Retrieval. Amsterdam. **ECIR 2014**, Role: Main organizer

Mayr, P., Schaer, P., Mutschke, P., Scharnhorst, A., & White, H. D. (2013). Combining Bibliometrics and Information Retrieval. **ISSI 2013**, Role: Main organizer

Mayr, P., & Tudhope, D. (2013). 12th European Networked Knowledge Organization Systems (NKOS) Workshop. **TPDL 2013**, Role: Main organizer

Tudhope, D., & Mayr, P. (2012). 11th European Networked Knowledge Organization Systems (NKOS) Workshop. **TPDL 2012**, Role: Co-organizer

Koch, T., Mayr, P., & Tudhope, D. (2011). 10th European Networked Knowledge Organization Systems (NKOS) Workshop. **TPDL 2011**, Role: Co-organizer

TEACHING AND SUPERVISION

Selected lectures, courses and seminars. See all teaching activities in a separate list.

- Information Retrieval, Fachhochschule Köln, bachelor course
- Database Retrieval / Web Retrieval, Fachhochschule Köln, bachelor course
- Information Seeking Behavior, Hochschule Darmstadt, master course and Fachhochschule Köln, bachelor course
- Evaluation of Retrieval Services: an introduction, Hochschule Darmstadt, master and bachelor course
- Thesauri and Ontologies, Hochschule Darmstadt, bachelor course with exercises
- Social Web and Bibliometry, Universität Koblenz, Summer Academy with exercises
- Digital Library Research, Hochschule Darmstadt, bachelor course with exercises
- Databases, Hochschule Darmstadt, bachelor course with exercises

Supervision of PhD thesis

- Philipp Schaer at GESIS, defended in May 2013
- Daniel Hienert at GESIS, defended in October 2013
- Zeljko Carevic at GESIS, ongoing

Supervision of Bachelor and Master thesis

- at University of Bonn, Computer Science/EIS
- at Fachhochschule Köln, department information science
- at Hochschule Darmstadt, department information science and engineering
- at Hochschule Bonn-Rhein-Sieg, department computer science

AWARDS

VFI-Förderungspreis 2009: Award for an excellent PhD thesis in information science