Dr Philipp Mayr-Schlegel

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

Philipp Mayr is a deputy department head and a team leader 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 und 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 02.2011
Deputy department head at GESIS, department "Knowledge technologies for the Social Sciences"

Since 07.2010
Team leader at GESIS, leading the team "Portals and Value-added Services" with ten computer scientists and doctoral students

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

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/>
Since 2015: 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/oscoss/>
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/>
Since 2015: 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

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/ >
Since 2010, 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

Carevic, Z., Lusky, M., van Hoek, W., & Mayr, P. (2017). 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

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

In 2017 a special issue on "Bibliometric-Enhanced Information Retrieval and Natural Language Processing for Digital Libraries" will appear in **International Journal on Digital Libraries**.

A special issue on "Knowledge Maps and Information Retrieval" appeared in **International Journal on Digital Libraries** http://link.springer.com/10.1007/s00799-016-0204-4.

A special issue on "Networked Knowledge Organization Systems (NKOS)" appeared in the Springer journal **International Journal on Digital Libraries** http://link.springer.com/10.1007/s00799-015-0167-x

A special issue on "Combining bibliometrics and information retrieval" appeared in the Springer journal **Scientometrics** http://link.springer.com/article/10.1007/s11192-014-1484-3

I am a member of the editorial board of the journals Scientometrics, Internation Journal on Digital Libraries and Information - Wissenschaft & Praxis.

I frequently review for the following list of:
- **International conferences**: TPDL, ASIST, Dublin Core, ESWC, ISWC, LWA, International Symposium of Information Science, iConference, WebSci, GOR
- **Journals**: Scientometrics, JASIST, Journal of Informetrics, PLOS ONE, IJDL, Aslib Journal of Information Management, Knowledge and Information Systems

WORKSHOPS

I am workshop co-chair at TPDL 2017.

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