

Curriculum Vitae: Markus Schedl

PERSONAL INFORMATION

Family name, First name: Schedl, Markus
ORCID identifier: 0000-0003-1706-3406
Date of birth: June 9, 1980
Nationality: Austrian
Web site: <http://www.mschedl.eu>
Google Scholar profile: <https://scholar.google.com/citations?user=TQR8qIEAAAAJ>

EDUCATION

2014 **Habilitation** in Applied Computer Science, Johannes Kepler University Linz (JKU)
2010 **Master** in International Business Administration, Vienna Univ. of Economics and Business
2008 **PhD** in Computer Science (with distinction), Institute of Computational Perception, JKU
“Automatically Extracting, Analyzing, and Visualizing Information on Music Artists from the World Wide Web”, Supervisor: Prof. Dr. Gerhard Widmer
2004 **Master** in Computer Science, Vienna University of Technology (TU Wien)

CURRENT POSITIONS

2019– **Full Professor**, JKU, Institute of Computational Perception, Group Multimedia Mining and Search
2013– **Lecturer**, University of Applied Sciences Salzburg (FH Salzburg)

PREVIOUS POSITIONS

2014–2019 **Associate Professor**, JKU, Institute of Computational Perception
2009–2014 **Assistant Professor**, JKU, Institute of Computational Perception
2005–2009 **Research Assistant**, JKU, Institute of Computational Perception
2004–2005 **Researcher**, Austrian Research Institute for Artificial Intelligence (OFAI)

BIBLIOMETRIC INDICATORS

Number of publications in refereed journals / proceedings: 28 / 176
Number of books / book chapters: 2 / 5
Number of citations (according to Google Scholar): >4,200
H-index (according to Google Scholar): 37

FUNDING RAISED

Until now, I managed to secure funding worth more than 1.3 million EUR, both from *basic and applied research funding agencies*, e.g., Austrian Science Fund (FWF), Austrian Research Promotion Agency (FFG), and European Commission (EC), and through *industrial collaborations*, e.g., with Siemens and the Royal Concertgebouw Orchestra Amsterdam. I served as principal investigator of 3 national projects and as Co-PI of the EU FP7-ICT-2011-9 project PHENICX.

ORGANIZATION OF SCIENTIFIC MEETINGS (Selection)

2019 Doctoral Symposium Co-Chair, ACM Conference on Recommender Systems (RecSys)
2018 Senior Academic Organizer, ACM Recommender Systems Challenge
2018–2019 Track Co-Chair, Conference on User Modelling, Adaptation, and Personalization (UMAP)
2014–2015 Co-Organizer, International Workshop on Social Media Retrieval and Analysis (SoMeRA)
2013–2018 Task Co-Organizer, MediaEval Benchmarking Initiative for Multimedia Evaluation
2009–2012 Co-Organizer, International Workshop on Advances in Music Information Research (AdMIRe)

MEMBERSHIPS IN EDITORIAL BOARDS AND PROGRAM COMMITTEES, REVIEWING ACTIVITIES (Selection)

Note: Journals' IF values indicate the 5-year impact factors according to Web of Science by Clarivate Analytics.

2017–	Editorial Board, Transactions of the International Society for Music Information Retrieval
2014–	Editorial Board, International Journal of Multimedia Information Retrieval
2018–2019	Editorial Board (Guest), User Modeling and User-Adapted Interaction (UMUAI); IF=4.185
2015–2016	Editorial Board (Guest), ACM Trans. on Intelligent Systems and Technology (TIST); IF=3.381
2016–	Reviewer, ACM Computing Surveys; IF=8.012
2015–	Reviewer, Journal of the Association for Information Science and Technology; IF=2.931
2013–	Reviewer, IEEE Transactions on Multimedia; IF=4.368
2013–	Reviewer, IEEE Signal Processing Letters; IF=3.012
2018–	PC Member, The Web Conference (formerly World Wide Web Conference)
2018	PC Member, ACM Multimedia
2017	PC Member, ACM Conference on Recommender Systems (RecSys)
2017	PC Member, ACM International Conference on Multimedia Retrieval (ICMR)
2010–	PC Member, International Society for Music Information Retrieval Conference (ISMIR)
2018–	Grant Proposal Reviewer, Dutch Research Council (NL)
2013–	Grant Proposal Reviewer, Swiss National Science Foundation (CH)
2012–	PhD Evaluation Committee, Universitat Pompeu Fabra Barcelona (ES)

MEMBERSHIPS OF SCIENTIFIC SOCIETIES

2018–	Member of Management Committee, European Cooperation for Statistics of Network Data Science (COSTNET), COST Action CA15109
2011–	Member, Association for Computing Machinery (ACM)

SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

During the years 2006–2018, I have been supervising 4 postdoc researchers, 4 PhD students, and 16 Master students. Most postdocs and graduated PhD students meanwhile hold *faculty positions* at international universities, notably, Marko Tkalčič as Assistant Professor at Free University of Bozen–Bolzano (IT), Bruce Ferwerda as Assistant Professor at Jönköping University (SE), and Katayoun Farrahi as Lecturer at University of Southampton (UK). Thomas Krismayer, whose Master thesis I supervised, was recently awarded the *Annual Prize of the Austrian Society for Artificial Intelligence (ÖGAI) for the best Master thesis 2017*.

TEACHING ACTIVITIES (Selection)

During the past decade, I have been teaching a selection of courses, including *lectures, labs, and seminars* at JKU and FH Salzburg, most of which I designed from scratch (in the list below, marked with an asterisk). In addition, I was invited to give a multitude of *guest lectures*, among many others at Universitat Pompeu Fabra Barcelona (ES), Queen Mary University of London (UK), and Kungliga Tekniska Högskolan Stockholm (SE). Furthermore, I initiated a vivid *student exchange program* within the Erasmus+ framework between JKU and Eindhoven University of Technology (NL).

At JKU:	Introduction to Machine Learning (since 2018), *Multimedia Data Mining (since 2015), *Social Media Mining and Analysis (since 2015), PhD Seminar (since 2015), *Learning from User-generated Data (since 2014), *Multimedia Search and Retrieval (since 2013), *Exploratory Data Analysis (2010–2016), *Music Information Retrieval (2008–2013)
At FH Salzburg:	*Data Mining (since 2017), *Recommender Systems (2016–2017), *Intelligent Systems I + II (2013–2017)

TUTORIALS GIVEN AT MAJOR CONFERENCES (Selection)

I have frequently been invited to give tutorials to a scientific audience (after rigorous peer-review of proposals), both at *large general conferences* (e.g., The Web Conference, formerly WWW Conference) and at the *most important venues specific to my research areas* (among others, ACM RecSys, ACM SIGIR, and ACM Multimedia). Covered topics include “Complex Recommendations” (WWW 2018), “New Paths in Music Recommender Systems Research” (RecSys 2017; ≈ 300 attendees), “Music Retrieval and Recommendation” (SIGIR 2015), and “Multimedia Information Retrieval: Music and Audio” (ACM Multimedia 2013).

INVITED PRESENTATIONS

Since 2011, I have been invited to give *research seminars at major universities and research institutions* (in total 28), including Technische Universität Darmstadt (2018, “Multimodal Data Analysis: Machine Learning and Personalized Recommendation in the Music Domain”), Universitat Pompeu Fabra Barcelona (2017, “Analyzing and Exploiting User-generated Listening Data for Listener Modeling and Music Recommendation”), Kungliga Tekniska Högskolan Stockholm (2013, “Mining User-generated Data for Music Information Retrieval”), Universiteit van Amsterdam (2012, “Social Media Mining for Listening Behavior Analysis”), and Queen Mary University of London (2011, “The (Social) Web and Music, Stars and the Like”). Furthermore, I was invited to two *Dagstuhl seminars* on the topics of “User-generated Content in Social Media” (2018) and “Multimodal Music Processing” (2011). The former resulted in a publication at the peer-reviewed 24th International Conference on Multimedia Modeling (“Rethinking Summarization and Storytelling for Modern Social Multimedia”), the latter in a peer-reviewed volume of the Dagstuhl Follow-Ups, Vol. 3: “Multimodal Music Processing”, which I co-edited. I also gave more than 70 *research talks and poster presentations at top conferences*, including The Web Conference (formerly Word Wide Web Conference), ACM Conference on Recommender Systems (RecSys), ACM SIGIR Conference on Research and Development in Information Retrieval, ACM International Conference on Multimedia Retrieval (ICMR), International Conference on User Modeling, Adaptation and Personalization (UMAP), and International Society for Music Information Retrieval Conference (ISMIR).

AWARDS AND PRIZES (Selection)

2017	Best Paper Award, International Conference on Advances in Mobile Computing & Multimedia
2006	Runner-up for Best Paper Award, ACM Multimedia
2011	Best Reviewer Award, IEEE International Conference on Digital Information Management
2017	Winner, MediaEval Task: AcousticBrainz Genre Classification
2012	Winner, MediaEval Affect Task: Violent Scenes Detection
2011 – 2014	Winner, MIREX Task: Audio Music Similarity and Retrieval