

Curriculum Vitae

Dr. Markus Hofmann

Personal Details:

Current Position: Lecturer
Department of Informatics
Institute of Technology Blanchardstown
Dublin
Ireland

Qualifications: **Certificate in Enquiry Based Learning**, Institute of Technology Blanchardstown, 2010
Ph.D., Trinity College Dublin, 2008
Certificate in Teaching and Learning, National College of Ireland, 2006
Postgraduate Diploma in Statistics, Trinity College Dublin, 2005
MSc. Computing Science (Information Technology for Strategic Management) – DIT, 2003
BA Information Systems Management, Galway Mayo Institute of Technology, 2000

Academic Appointments

2009-date **Lecturer**, Department of Informatics, Institute of Technology Blanchardstown, Ireland
2006-2009 **Assistant Lecturer**, Department of Informatics, Institute of Technology Blanchardstown, Ireland
2006-2007 **Part-time Lecturer**, Dublin Institute of Technology, Dublin, Ireland
2002-2006 **Associate Faculty Lecturer**, National College of Ireland, Dublin, Ireland
2001-2002 **Part-time Lecturer**, Dublin Institute of Technology, Dublin, Ireland

Professional Activity

Institutions Chartered Member of the Institute of Logistics and Transport

Professional Bodies Member of the Irish Learning Technology Association
Member of the Irish Computer Society

Appointments

Technical Advisory Body, 4 IEEE International Advance Computing Conference 2014, Gurgaon, India.

Programme Committee Member of ICEP 2013 (International Conference on Engaging Pedagogy)

Annual Information Technology & Telecommunication Conference 2013 – General Chair & Session Chair

Programme and Organising Committee Member of ICEP 2012 (International Conference on Engaging Pedagogy)

Session Chair (Pedagogical Practice) of ICEP 2012 (International Conference on Engaging Pedagogy)

General Chair of the IT&T Steering Committee, 2012-2015

Local Chair of RCOMM (RapidMiner Community Meeting and Conference) 2011

Officer in Statistics, Irish Central Statistics Office – 2010, 2011, 2012

Local Head Judge in Intel Scifest – Junior Category – 2009, 2010, 2011

Annual Information Technology & Telecommunication Conference 2009, 2010 and 2012– Technical Chair & Web Chair & Session Chair

Annual Information Technology & Telecommunication Conference 2008 – Technical Chair & Web Chair

Annual Information Technology & Telecommunication Conference 2007 – Web Chair & Organising Committee

Editorial responsibilities

Technical Editor of “D. Nettelton (2014) Commercial Data Mining, Morgan Kaufmann”

Technical Editor of “A. Chisholm (2013) Rapidminer for Data Mining, By Example, Packt Publishing.”

Annual Information Technology & Telecommunication Conference 2020 – Editor of Proceedings (ISSN 1649-1246)

Annual Information Technology & Telecommunication Conference 2010 – Editor of Proceedings (ISSN 1649-1246)

Annual Information Technology & Telecommunication Conference 2009 – Editor of Proceedings (ISSN 1649-1246)

Annual Information Technology & Telecommunication Conference 2008 – Editor of Proceedings (ISSN 1649-1246)

Annual Information Technology & Telecommunication Conference 2007 – Co - Editor of Proceedings (ISSN 1649-1246)

Reviewer IEEE Symposium Series on Computational Intelligence, 2013, 2014
International Conference on Engaging Pedagogy , 2012, 2013
RapidMiner Community Meeting and Conference 2011
Public Opinion Quarterly (Journal impact factor 2007: 1.550)
Annual Information Technology & Telecommunication Conference 2007-2012
IEEE Intelligent Transportation Systems – Annual Conference

Invited Lectures I have been invited to lecture on public transportation and computing topics at a number of institutions in Ireland and overseas including Dublin Institute of Technology, Trinity College Dublin, University of Newcastle, and University of Porto (RCOMM). I also delivered two workshops at the 9th Neural Network Summer School in Porto, Portugal in 2012.

Academic Management and Administration

Responsibilities

External External Examiner of Higher Diploma in Science in Web Technologies, the Higher Diploma in Science in Software Development, Higher Diploma in Science in Data Analytics and the Certificate in Web Technologies (National College of Ireland) (2012 – date)
Member of the HETAC/QQI Register of Expert Panellists (2009 – date)
External Examiner of the College for Computer Training (2009 – date)
External Examiner of BBS Business Administration (IT SLIGO) Level 6, 7 & 8 (2009 – 2014)

University Member of Academic Council (2009 – 2015)
Member of Postgraduate Subcommittee (2012 – date)

Department/School Member of Departmental Data Mining Group (2009 – date)
Member of Course Development Committee: BA (Honours) in Digital Media
Member of Course Development Committee: MSc. Computer Science in Data Mining and Business Intelligence
Member of Course Development Committee: BSc (Honours) in Web and Mobile Applications
Member of Course Development Committee: BSc (Honours) in Forensics and Security
Member of Course Development Committee: Certificate Network Associate Professional

Teaching and Supervision

Teaching Activities

Level	Module Title	Contact hours
MSc	Business Intelligence	>200
MSc	Advanced Databases	60
MSc	Management Information Systems	120
MSc	Pre-Processing & Data Exploration	>200
MSc	Business Intelligence and Data Mining Applications	>200
MSc	Text Mining & Web Content Mining	>200
PgD	Modelling and Databases	>200
BSc	Data Mining	>200
BSc	Data Mining delivered using Enquiry Based Learning	120
BSc	Databases	>200
BSc	Mathematics for Computing	>200
BSc	Web Multimedia	>200
BSc	Web Site Design	>200

External/Internal MSc/PhD Examination

Level	Title	Internal/ External	Date Awarded
MSc	A Sketch-based Interface for Terrain and Water Feature Creation	Internal (Institute of Technology Blanchardstown)	2011
MSc	Semantic Markup in Web Data Extraction	External (Trinity College Dublin)	2013
MSc	A Performance Analysis of Big Data Processing and Data Mining Algorithms in a Telecommunications Environment	External (Athlone Institute of Technology)	2015
MSc	Cognitive algorithms and the optimisation of Quality of Experience and bandwidth utilisation	External (Trinity College Dublin)	2015

Student Supervision

Level	Title/Domain	Date Awarded
HDip	Implementation of a Brain Training Web Site for Junior/Leaving Certificate Students	2008
HDip	A Data Analysis Application Based on Moodle	2008
BSc	Development of a Tutorial Design Wizard for RapidMiner	2010
HDip	E-Learning and Virtual Learning Environment	2011
HDip	Flexible Video Content Player with Slide Show as Moodle Plugin	2011
MSc	Empirical review of divergences from Zipf's law to aid text categorisation	2012
MSc	Dealing with Class Imbalance in the Fraud Domain	2012
MSc	A Performance Related Investigation of Open Source Data Mining Tools Powered by Relational Databases	2013
PhD	Dynamic generation of additional course corpus from web based sources in an e-learning environment	on-going
MSc	An Analysis into the different user groups of social networking websites using text mining techniques	2013
MSc	Sentiment Analysis and Text Visualisation within Irish Politics	2013
MSc	Using Data Mining to reduce fuel bill of a major international airline	2013

MSc	The value of sentiment analysis on social media customer interactions in a telecommunications environment	2013
BSc	Detecting Software Code Plagiarism using Data Mining	2014
BSc	Mobile Maths Tutoring System using Tex	2014
HDip	Enterprise Reference Data Manager	2014
HDip	Provisoin of a departmental Website	2014
HDip	A Text-to-Speech Communication Tool written in JAVA	2014
MSc	Detection of Cyberbullying using Python and Text Mining	2014
MSc	'Is Talk Cheap?' An analysis of athlete interviews using text classification techniques to predict future performance	2014
MSc	Topic Modelling of Irish Political Text	2014
MSc	Multinational Product Price Comparison using Web Mining Techniques	2014
MSc	A Multiple Regression Analysis for Airline Disruption Prediction	2015
MSc	Skills and Vacancy Analysis with Data Mining Techniques	2015

Project Supervision/Coordination

Researcher	Title
Jelena Terzic, Anthony Duncan	e-Learning materials to support first year Financial Accounting Business students
Kyle Goslin	Development of a Moodle plug-in aiming to improve tagging and filtering of learning objects
Kyle Goslin	Development of a Moodle plug-in for Deaf Studies
Ralf Klinkenberg	Development of eLearning Material for Business Intelligence and Data Mining
Kyle Goslin	Development of an Interactive Moodle Visual Map Plug-in
Andrew Carroll, David Ryan, Toms Andrulis	Cross Platform Mobile Development if ITB Application
Sam Furlong	Development of a Maths Formula step by step framework

Thesis Committee

Researcher	Title	Degree
Geraldine Gray	An analysis of the impact of inclusive teaching practices on student performance, retention and progression.	PhD
Robert Smith	Evaluating the use of Facial Expression as a Means to Improve Realism in Synthesised Sign Language Avatars	MSc
Stephen O'Shaughnessy	Information Forensic in Network and Cloud Computing Environments	PhD
Robert Smith	Towards Motivating a Linguistic Non-Manual Feature Framework for Synthesising Signed Language Avatars	PhD
Stephen Barrett	Exploring the potential of data mining techniques in research on silence in organizations	PhD
Marie Brennan	With the development of a new entity in third level education in Ireland, can understanding the creation of this new Technological University and knowing what did not work in the previous system help to develop a transition pedagogy for future institutions going forward.	PhD

Mark Lane	Software Defined Networking Security: Defending SDN Networks from Attack	PhD
Michael Hegarty	The development of steganalysis tools to assess the impact of steganography on electronic communications over insecure networks.	PhD

Research Grants and Contracts

Source of Funds	Title of project	Duration	Start Date	Comments
AIB Seed Capital Funding	An Investigation of the Impact of Extra-curricular Activities on Retention Rates, Attendance and Student Performance	24	Oct-07	PI
AIB Seed Capital Funding	e-Learning materials to support first year Financial Accounting Business students	12	Jun-08	PI
AIB Seed Capital Funding	Mining Student Record Data	12	Jan-09	PI
Enterprise Ireland	Innovation Voucher: Design and Development of a data collection application for corporate insurance brokers. Company: BMCI	3	Apr-08	PI
Enterprise Ireland	Innovation Voucher: Design and Development of a data analysis tool for small sales orientated companies. Company: Senator Windows	3	Jul-08	PI
Enterprise Ireland	Innovation Voucher: Data exploration and mining of data originating from a corporate insurance broker. Company: BMCI	3	Oct-08	PI
Enterprise Ireland	Innovation Voucher: Data exploration and mining of data originating from a small sales orientated organisation. Company: Senator Windows	3	Dec-08	PI
Enterprise Ireland	Innovation Voucher: Design and Development of a customer support database. Company: EW Technologies	3	Dec-08	PI
Enterprise Ireland	Innovation Voucher: Implementation and customisation of an open source customer relationship management system. Company: Wardrobe Elegance	3	Apr-09	PI
Enterprise Ireland	Innovation Voucher: Design and Development of a commercial customer support database. Company: EW Technologies	3	Apr-09	PI
AIB Seed Capital Funding	e-Learning materials to support first year Financial Accounting Business students	12	Jun-09	CI
Enterprise Ireland	Innovation Voucher: Design and Development of a dynamic database driven website with product catalogue capacities for a SME. Company: Lumex	3	Jun-09	PI
Enterprise Ireland	Innovation Voucher: Design and Development of a dynamic database driven website with product catalogue capacities for a SME. Company: B-Lex	3	July-09	PI
Strategic Innovation Fund Cycle II	Development of a Moodle Plug-in aiming to improve tagging and filtering of learning objects	3	Jun-09	PI
National Digital Learning Repository	Development of Data Mining Learning Objects	3	Aug-09	PI
Enterprise Ireland	Innovation Voucher: Prototyping matching algorithm in a Web Environment: Company: BizViz	3	Oct-09	PI
Enterprise Ireland	Innovation Voucher: Prototyping Community based Social Networking Website. Company: Made Ltd	3	Jan-10	PI
AIB Seed Capital Funding	Moodle Plug-in for Visual Mapping of Learning Objects	3	Jun-10	PI
Enterprise Ireland	Moodle Development and Consultancy. Company: Irish Academy	3	Jun-10	PI
Strategic Innovation Fund Cycle II	eLearning to serve Flexible Learning	12	Nov-10	CI
Enterprise Ireland	Innovation Voucher: Online Alarm and CCTV Certification Submission System. Companies: MSCert and EQA	3	Dec-10	PI
Enterprise Ireland	Innovation Voucher: User Experience and Universal Design Consultancy. Company: Diaryplan.com	3	Mar-11	PI
Enterprise Ireland	Innovation Voucher: Prototyping Community based Social Networking Website. Company: Made Ltd	3	July-11	PI

AIB Seed Capital Funding	Development of a multiplatform mobile application of ITB	3	July-11	PI
Enterprise Ireland	Innovation Voucher: Advanced Online Alarm and CCTV Certification Submission System. Companies: MSCert and EQA	3	Dec-11	PI
Enterprise Ireland	Textual Content analysis and visualisation for Feedback.ie	3	Jan-12	PI
Strategic Innovation Fund Cycle II	eLearning to serve Flexible Learning	12	Jan-12	CI
Enterprise Ireland	TopFlight – Making sense of data for improved decision making	3	Mar-12	PI
Enterprise Ireland	Salubria – Development of an IT infrastructure for an Irish Health Game	3	Apr-12	PI
Enterprise Ireland	Using data and text mining to analyse planning permissions	3	Jun-12	PI
Enterprise Ireland	ParkYa – Prediction of parking places in urban areas	3	Jan-13	PI
Enterprise Ireland	uTracOnline – Query wizard and optimisation	3	Mar-13	PI
Strategic Innovation Fund Cycle II	eLearning to serve Flexible Learning	12	Jan-13	CI
Enterprise Ireland	Treasury Delta – VLE development	3	Apr-14	PI
Enterprise Ireland	Treasury Delta – Web Application Security Investigation	3	July-14	PI
Enterprise Ireland	Stellar Consulting – Information System to facilitate certification material provision	3	Feb-15	PI
Enterprise Ireland	Stellar Certification – Integrated Online Payment System for Online Certification System	3	Aug-15	PI

Publications

Journal Papers

- J1 M. **Hofmann** and O'Mahony, M. (2005) Public Transport Passenger Path and Behaviour. *GEO Informatics*, 8(2):44-47.
- J2 G. Tseytin, **Hofmann**, M., O'Mahony M. and Lyons, D. (2006) Tracing Individual Public Transport Customers from an Anonymous Transaction Database. *Journal of Public Transportation*, Vol. 9, 4.
- J3 M. **Hofmann** and B. Tierney (2009) Development of an Enhanced Generic Data Mining Life Cycle. *ITB Journal*, Issue 18, pp. 50-71, December 2009.

Books/Proceedings

- E1 Muntean, G-M, **Hofmann**, M. and Nolan, B. (2007) Digital Convergence in a Knowledge Economy (eds), Proceedings of the 7th International Information Technology and Telecommunication Conference, SNAP Publishing, ISSN: 1649-1246
- E2 **Hofmann**, M. Murnion, P. and Nolan, B. (2008) Virtual Systems and Digital Convergence in a Knowledge Society (eds), Proceedings of the 8th Information Technology and Telecommunication Conference, HP Publishing, ISSN: 1649-1246
- E3 **Hofmann**, M., Deegan, M. and P. Murnion (2009) Ubiquitous and Green Computing - The Challenges Facing Computing Systems in Presenting Ubiquitous Computing in an Environmentally Sustainable Manner (eds), Proceedings of the 9th Information Technology and Telecommunication Conference, HP Publishing, ISSN: 1649-1246
- E4 **Hofmann**, M., Morrison, J. and P. Doyle (2010) RESEARCH—Driving the Knowledge Economy (eds), Proceedings of the 10th Information Technology and Telecommunication Conference, ISSN: 1649-1246
- E5 M. **Hofmann** (2012) ICT for a more Sustainable Planet (eds), Proceedings of the 11th Information Technology and Telecommunication Conference, ISSN: 1649-1246
- E6 M. **Hofmann** and E. Fallon (2013) Small Devices, Big Data, Real Challenges (eds), Proceedings of the 12th Information Technology and Telecommunication Conference, ISSN: 1649-1246
- E7 **Hofmann**, M. and R. Klinkenberg (Eds.) (2013) *RapidMiner: Data Mining and Business Application Use Cases*. Taylor & Francis, CRC Press, USA.
- E8 **Hofmann**, M. and G. Muntean (Eds) (2014) , *Towards the Internet of Things: Issues, Challenges and Approaches*, Proceedings of the 13th Information Technology and Telecommunication Conference, ISSN: 1649-1246.
- E9 **Hofmann**, M. and A. Chisholm (Eds.) (2015) *Text Mining and Visualisation – Case Studies using Open-Source Tools*. Taylor & Francis, CRC Press, USA.

Refereed Conference Papers

- R1 M. **Hofmann** 'Automatic Intelligent Crash Notification Framework', 9th World Congress on Intelligent Transport Systems and Services, (CD-ROM) Proceedings, Chicago , USA , 2002.

- R2 M. **Hofmann**, M. O'Mahony, and B. Tierney. A Framework to Utilise Urban Bus Data for Advanced Data Analysis. Conference Proceedings of 10th World Congress on Intelligent Transport Systems (CD-ROM), Madrid , Spain , 2003.
- R3 **Hofmann**, M. and B. Tierney "The Involvement of Human Resources in Large Scale Data Mining Projects", International Symposium on Information and Communication Technologies, (CD-ROM) Proceedings, Dublin, Ireland, 2003.
- R4 M. **Hofmann** and O'Mahony, M. (2005) Transfer Journey Identification and Analyses from Electronic Fare Collection Data. IEEE Intelligent Transportation Systems, Vienna, Austria.
- R5 M. **Hofmann** and O'Mahony, M. (2005) The Impact of Adverse Weather Conditions on Urban Bus Performance Measures an Analysis Using ITS Technology. IEEE Intelligent Transportation Systems, Vienna, Austria.
- R6 M. **Hofmann** and O'Mahony, M. (2005) An Analysis of Route Symmetry in an Urban Bus Public Transport Network Using Electronic Fare Collection Data. Washington, D.C., USA, Transportation Research Board (CD-ROM).
- R7 **Hofmann**, M. and Tierney, B. (2007) Development Phases of a Generic Data Mining Life Cycle (DMLC), International Conference on Software Engineering Theory and Practice. Proceedings, Orlando, USA.
- R8 **Hofmann**, M., Wilson, S. and White, P. (2009) Automated Identification of Linked Trips at Trip Level Using Electronic Fare Collection Data. Washington, D.C., USA, Transportation Research Board (CD-ROM).
- R9 **Hofmann**, M. and Tierney, B. (2009) An Enhanced Data Mining Life Cycle. IEEE Symposium on Computational Intelligence and Data Mining. Proceedings, Nashville, USA.
- R10 **Hofmann**, M., Gray, G. and L. Keyes (2009) Visualisation of Multi-dimensional Learning Objects in Moodle. Proceedings of the Irish Educational Technology Users' Conference, EdTech 2009, Dublin, Ireland.
- R11 **Hofmann**, M. and M. Smith (2009) Compatibility Challenges for Mobile Learning Objects. Proceedings of the Irish Educational Technology Users' Conference, EdTech 2009, Dublin, Ireland.
- R12 Goslin, K. **Hofmann**, M. and G. Gray (2009) Development of a Moodle Course Content Filter using Meta Data, 9th International Information Technology and Telecommunication Conference, Dublin, Ireland.
- R13 **Hofmann**, M, Wilson, S. and P. White (2010) How 'Good' is Urban Bus Electronic Fare Collection Data?, Conference Proceedings of the World Conference of Transport Research, Lisbon, Portugal.
- R14 **Hofmann**, M., Goslin, K., Nolan, B. and L. Leeson (2010) Development of a Moodle VLE Plugin to Support Simultaneous Visualisation of a Collection of Multi-Media Sign Language Corpora Objects, Representation and Processing of Sign Languages: Corpora and Sign Language Technologies, Conference on Language Resources and Evaluation, Malta.
- R15 Nolan, B., **Hofmann**, M. and L. Leeson (2010) Moodle innovation for teaching Irish Sign Language at 3rd level: Providing access with flexible delivery online. Proceedings of the Conference on Frontiers in Education: Computer Science and Computer Engineering. Las Vegas, USA.
- R16 Goslin, K. and M. **Hofmann** (2010) Interactive Visual Map Tool for Moodle, 10th International Information Technology and Telecommunication Conference, Letterkenny, Ireland.

- R17 Goslin, K. and M. **Hofmann** (2010) Integrated Tutorial Tool for RapidMiner 5, RCOMM 2010, University of Dortmund, Germany.
- R18 Goslin K. and M. **Hofmann** (2012) Extraction of VLE course hierarchy for the creation of tree based context specific metadata, 11th International Information Technology and Telecommunication Conference, Cork, Ireland.
- R19 Goslin K. and M. **Hofmann** (2013) Utilization of Text And Document Context in Large Content Repositories to Aid Environment Specific Search, 12th International Information Technology and Telecommunication Conference, Athlone, Ireland.
- R20 Kirwan E. and M. **Hofmann** (2013) Predicting Premiership Football Match Results (Machine vs. Men – Can predictive models outperform human experts?), 12th International Information Technology and Telecommunication Conference, Athlone, Ireland.
- R21 Galvin E. and M. **Hofmann** (2013) Speech Analysis of the 2012 American Presidential Election, 12th International Information Technology and Telecommunication Conference, Athlone, Ireland.
- R22 Ryan J. and M. **Hofmann** (2013) Communities and Crime: Creating a Data Mining Prediction Model (Identify Future Crimes given the Socioeconomic Background in an Area), 12th International Information Technology and Telecommunication Conference, Athlone, Ireland.
- R23 Goslin, K. and M. **Hofmann** (2013) Identifying and Visualizing the Similarities Between Course Content at a Learning Object, Module and Program Level, Sixth International Conference on Educational Data Mining 2013. Memphis, Tennessee.
- R24 Goslin, K. and M. **Hofmann** (2013) Cross Domain Assessment of Document to HTML Conversion Tools to Quantify Text and Structural Loss During Document Analysis, FORTAN Workshop, Intelligence and Security Informatics Conference (EISIC 2013), Uppsala, Sweden.
- R25 **Hofmann**, M., Gray, G. and L. Keyes (2013) Teaching Data Analytics in a Fully Online Mode at Postgraduate Level, Conference Proceedings of Big Data and Analytics EdCon, Las Vegas, USA.
- R26 Carter, B. and **M. Hofmann** (2014) An analysis into using unstructured non-expert text in the illicit drug domain. Proceedings of 4th IEEE International Advance Computing Conference, New Delhi, India.
- R27 Ryan, J. and **M. Hofmann** (2014) Analysing the Irish 2011 General Election Party Manifestos and Irish Political Statements from the Irish Parliament using Text Analysis. Proceedings of 4th IEEE International Advance Computing Conference, New Delhi, India.
- R28 Tsatsoulis, C. and **M. Hofmann** (2014) Focusing on Maximum Entropy Classification of Lyrics by Tom Waits. Proceedings of 4th IEEE International Advance Computing Conference, New Delhi, India.
- R29 Tristan O’Gorman and M. **Hofmann** (2014) Text Mining on Software Patents, 13th International Information Technology and Telecommunication Conference, Dublin, Ireland.
- R30 Ryan J. and M. **Hofmann** (2014) Sentiment Versus Polarity within Tokens and Sentences, 13th International Information Technology and Telecommunication Conference, Dublin, Ireland.
- R31 Colton D. and M. **Hofmann** (2014) Automated Detection of Cyberbullying, 13th International Information Technology and Telecommunication Conference, Dublin, Ireland.
- R32 Causer S. and M. **Hofmann** (2014) Comparison of Video Game Classification Schemes Utilising Web Mining Techniques, 13th International Information Technology and Telecommunication Conference, Dublin, Ireland.

Other Conference Papers/Presentations

- O1 M. **Hofmann** and M. O'Mahony (2004) Development of an Iterative Classification Algorithm to Facilitate Transfer Journey Analyses. Newcastle, UK. Proceedings of 36th Annual Conference of the University Transport Study Group (CD-ROM).
- O2 M. **Hofmann** and M. O'Mahony (2005) Hybrid Rule Based Architecture for Origin/Destination Extraction from Electronic Fare Collection Data. Bristol, UK., 2005d. Proceedings of 37th Annual Conference of the University Transport Study Group (CD-ROM).
- O3 K. Goslin and **Hofmann**, M. (2012) Enriching the learning experience through interactive course content, Moodle Moot UK & Ireland, Crowne Plaza Hotel, Northwood, Dublin, Ireland.
- O4 M. **Hofmann** (2013) Data Mining Use Cases and Business Analytics Applications with RapidMiner, Proceedings of the 4th Annual RapidMiner Community Meeting and Conference, Porto, Portugal.
- O5 M. **Hofmann** (2014) Rapid Data Mining Process Development. 4th IEEE International Advance Computing Conference, New Delhi, India.

Other Written Material

- OW1 M. **Hofmann** (2003) The Development of a Generic Data Mining Life Cycle (DMLC), MSc. Thesis, Dublin Institute of Technology, Dublin, Ireland.
- OW2 M. **Hofmann** (2008) Utilisation of electronic fare collection data of urban bus operators with regard to transfer journeys and origin/destination estimation, Ph.D. Thesis, The University of Dublin, Trinity College Dublin, Dublin, Ireland