

# Prof. Martin Bichler

**Prof. Dr. Martin Bichler**  
Watzmannring 30  
85748 Garching, Germany

Tel.: ++49-179-7990058  
++49-89-289-17500 (Office)  
Fax: ++49-89-289-17534  
E-Mail: [bichler@in.tum.de](mailto:bichler@in.tum.de)  
WWW: <http://dss.in.tum.de>



## Employment

- |   |  |                           |
|---|--|---------------------------|
| <b>03-09/2017</b>   | <b>Stanford University, Economics</b>              | <b>Palo Alto, CA, USA</b> |
| ■ Visiting Scholar at the Department of Economics with Prof. Paul Milgrom |  |                           |
| <b>08/2016</b>  | <b>Yale University, Economics</b>                  | <b>New Haven, CT, USA</b> |
| ■ Visiting Scholar at the Cowles Foundation with Prof. Dirk Bergemann     |  |                           |
| <b>2008-2014</b>  | <b>Astradi GmbH</b>                                | <b>Munich, Germany</b>    |
| ■ <i>Founder and Scientific Advisor (sold in 2014)</i>                    |  |                           |
| <b>July – October 2007, August 2011, HP Labs</b>                          |  | <b>Palo Alto, CA, USA</b> |
| ■ <i>Visiting Scientist at the Decision Technologies Lab</i>              |  |                           |
| <b>03-04/2007</b>   | <b>Cambridge University</b>                        | <b>Cambridge, UK</b>      |
| ■ <i>Visiting Scholar at the Judge Institute</i>                          |  |                           |
| <b>since 01/2003</b>  | <b>Technical University of Munich</b>              | <b>Munich, Germany</b>    |
| ■ <i>Full Professor at the Department of Informatics</i>                  |  |                           |
| ■ <i>Since 06/2007 Faculty Member at the TUM School of Management</i>     |  |                           |
| <b>02/2001-01/2003</b>  | <b>IBM T. J. Watson Research Center</b>            | <b>New York, NY, USA</b>  |
| ■ <i>Research Staff Member</i>  |  |                           |
| <b>05-07/1998</b>   | <b>IBM T. J. Watson Research Center</b>            | <b>New York, NY, USA</b>  |
| ■ <i>Visiting Scientist</i>   |  |                           |
| <b>1995 - 2001</b>  | <b>Vienna University of Economics and Business</b> | <b>Vienna, Austria</b>    |
| ■ <i>Assistant/Associate Professor</i>                                    |  |                           |
| <b>1997 – 1998</b>  | <b>University of California</b>                    | <b>Berkeley, CA, USA</b>  |
| ■ <i>Research Fellow</i>  |  |                           |
| <b>1995</b>   | <b>Heeres-Datenverarbeitungsamt</b>                | <b>Vienna, Austria</b>    |
| ■ <i>Military service (8 month), software development</i>                 |  |                           |
| <b>1992-1994</b>  | <b>SteinHart GmbH, Siemens</b>                     | <b>Vienna, Austria</b>    |
| ■ <i>Part-time software development</i>                                   |  |                           |

<b>Education</b>	<b>1997-2000</b>	<b>Department of Information Systems, Vienna University of Economics and BA</b>	<b>Vienna, Austria</b>
		■ <i>Habilitation in Information Systems, October 9, 2000</i>	
	<b>1995-1997</b>	<b>Department of Information Systems, Vienna University of Economics and BA</b>	<b>Vienna, Austria</b>
		■ <i>Ph. D. in Information Systems (PASSED WITH DISTINCTION), April 1997</i>	
	<b>1990 -1995</b>	<b>University of Vienna</b>	<b>Vienna, Austria</b>
		■ <i>Master's degree in Information Systems, February 1995</i>	
	<b>1985 - 1990</b>	<b>Bundeshandelsakademie (High School)</b>	<b>Braunau/Inn, Austria</b>
		■ <i>Matura/High School Exam (PASSED WITH DISTINCTION), June 1990</i>	
<b>Awards and Recognition</b>		<ul style="list-style-type: none"> <li>■ Nomination for the Best Theory Paper Award at ICIS 2016 in Dublin.</li> <li>■ Ranked 19 overall and <i>3rd in terms of A+ publications</i> in the 5-year ranking of the Handelsblatt 2014 among 2346 scholars in Europe. Ranked 14 in terms of A+ publications in the lifetime ranking.</li> <li>■ Keynote at the BIS conference in Warshaw 2013.</li> <li>■ Winner of the Siemens Supply Chain Olympics 2012 with an innovative market design for a high-stakes worldwide tender.</li> <li>■ Semi-plenary at the Annual German OR Conference in Hannover 2012</li> <li>■ Ranked 26th in the 5-year Handelsblatt Ranking 2012 overall, ranked 4th in terms of A+ publications in the 5-year ranking, and 22nd in terms of A+ publications in the lifetime ranking.</li> <li>■ Nominated for Best Paper Award by the Information Systems Section of the German Association for Business Research (VHB) in 2010</li> <li>■ Ranked 23rd in the Handelsblatt Ranking of Scholars in the Management Sciences under the age of 40 in 2009</li> <li>■ Best Teaching award for the winter terms 07/08, 08/09 and 10/11 by the students of the Department of Informatics, TU München</li> <li>■ INFORMS ISS Design Science Award 2008</li> <li>■ IBM Faculty Award 2008</li> <li>■ Best paper selected in 50-years special issue of Business &amp; Information Systems Engineering (formerly Wirtschaftsinformatik), 2008</li> <li>■ HP Labs, Palo Alto, e-Award 2007</li> <li>■ Offer for a department chair position at the TU/Eindhoven in 2007</li> <li>■ Senator Wilhem Wilfling-Award 2000, Vienna University of Economics and Business Administration</li> <li>■ Erwin-Schroedinger Fellowship 1997 of the Austrian Science Fund (FWF)</li> <li>■ Joint Scholarship of the Austrian National Bank and the Vienna University of Economics and Business Administration 1997/98</li> </ul>	
<b>Selected Research Transfer and Software</b>		<ul style="list-style-type: none"> <li>■ 2015-16: Consulting for the Department of Primary Industries on the design of a cap-and-trade system, New South Wales, Australia.</li> <li>■ 2014: The Department of Informatics of the TUM started using a stable matching software implemented in our group for the assignment of students to seminars and computer labs.</li> <li>■ 2010-15: Game-theoretical consulting to telecoms and regulators in Austria (2010, 2013), Canada (2014, 2015), the Czech Republic (2012), and Germany (2010, 2015).</li> </ul>	

- 2014: Implementation of control algorithms for virtualized data centers of Huawei. The software has become part of a product offered to Huawei customers.
- 2014: Industry Canada, the Canadian regulator decides on a significant change the auction rules for the 2500 MHz spectrum auction in Canada based on our comments.
- 2013: The decision by the US Federal Communications Commission on the auction format for auction 96 refers to our academic work spectrum auction design.
- 2009-14: Spin-off Astradi providing e-sourcing software to a number of DAX companies with a transaction volume of ~1 billion Euro. In 2012 Siemens admitted Astradi OptiTrade as one out of three software tools for e-sourcing company-wide. A combinatorial auction project won the Siemens SCM Olympics 2012.
- 2007-12: Development of an optimization tool for award decisions in volume discount auctions at HP. HP eAward for contributions to sourcing in 2007.
- 2008: Development of a tool for server consolidation for Siemens, winning the INFORMS ISS Design Science Award.
- 2005-08: Contributions to various open-source software projects such as the Prova rule engine or the Permoto performance modeling tool.
- 2001-03: Contributions to one of the first combinatorial procurement auction projects with Mars Inc. in a project at IBM Research.
- 1999: Design and development of a multi-attribute auction platform for tourism used by the Tiscover destination management system for eight years.

### **Editorial Boards in Academic Journals**

- Editor-in-Chief of Business and Information Systems Engineering, Springer (Editor since 2006, DE since 2009, EiC since 2012). Significant increase in submissions and impact factor.
- Associate Editor INFORMS Information Systems Research (2017-2020).
- Associate Editor INFORMS Group Decision and Negotiation (since 2014).
- Associate Editor of ACM Transactions on the Web (2006-2013).
- Editorial Board of Managerial Review, Springer (since 2006).
- Editorial Board of Production and Operations Management, POMS (2004-2012).
- Editorial Board of the International Journal on Operational Research, Inderscience (since 2005).
- Editorial Board of the International Journal of Business Process Integration and Management, Inderscience (since 2004).
- Associate Editor of Service Oriented Computing and Applications, Springer (2006 - 2010).
- Editorial Board of the Journal of Manufacturing and Service Operations Management, INFORMS (2004 - 2006).
- Editorial Board of Electronic Commerce Research Journal, Kluwer (2000 - 2009).
- Editorial Board of the International Journal of Web Services Research, Inderscience (2005 - 2009).

### **Reviewing Activities**

ACM Transactions on Internet Technology, Behavior & Information Technology, Computer Networks, Communications of the ACM (CACM), Decision Support Systems, Electronic Commerce Research, ECRA, Electronic Markets, European Journal on Information Systems, EJOR, Games and Economic Behavior, Group Decisions and Negotiations, IEEE Transactions on Knowledge and Data Engineering, IEEE Transactions on Parallel and Distributed Systems, International Journal on Business Process Integration and Management, Information Systems Research, Journal on Distributed and Parallel Databases, Management Science, Manufacturing and Service Operations Management, Operations Research, Production and Operations Management, Production Planning and Control, Wirtschaftsinformatik.

REVIEWER for the Deutsche Forschungsgemeinschaft (DFG) for several project proposals and consortium research projects (Sonderforschungsbereiche, SFB)

REVIEWER for the D-Grid Initiative of the Federal Ministry of Education and Science (BMBF)

### **Appointment Committees at TUM**

TUM: EFFICIENT ALGORITHMS (2004), MARKETING (2005), POLITICAL SCIENCES (2008), ROBOTICS (2008), MATHEMATICAL FINANCE (2008), DATABASES (CHAIR OF THE COMMITTEE, 2009), INFORMATION SYSTEMS (CHAIR OF THE COMMITTEE, 2010), OPERATIONS MANAGEMENT (2011), SCIENTIFIC COMPUTING (2013)

VIENNA UNIVERSITY OF ECONOMICS AND BUSINESS ADMINISTRATION: INFORMATION SYSTEMS (2008), REVIEWER OR COMMITTEE MEMBER FOR VARIOUS OTHER UNIVERSITIES.

### **PhD Supervision**

PRIMARY SUPERVISOR TU MÜNCHEN (17): Christine Kiss (2007), Thomas Setzer (2007), Reinhard Brandl (2007), Adrian Paschke (2007) Alexander Pikovsky (2008), Pasha Shabalin (2009), Benjamin Speitkamp (2009), Oliver Hühn (2009), Stefan Schneider (2011), Tobias Scheffel (2011), Christian Markl (2011), Georg Ziegler (2012), Jürgen Wolf (2012), Alexander Stage (2013), Jannis Petrakis (2013), Andreas Wolke (2014) Stefan Mayer (2014)

SECONDARY SUPERVISOR TU MÜNCHEN (18): Felix Brandt (2004), Wolfgang Wörndl (2004), Peter Dornbusch (2005), Helmut Beckmann (2006), Cua Cao (2007), Norbert Diernhofer (2006), Josef Lankes (2008), Tianchao Li (2008), Oliver Alexy (2008), Holger Jehle (2009), Shareeful Islam (2011), Ralph Acker (2011), Houssam Haitof (2011), Andre Dahlmann (2011), Sebastian Klapdor (2012), Stephan Gradl (2012), Michele Brocco (2012), Maximilian Budde (2014)

SECONDARY SUPERVISOR AT CAMBRIDGE UNIVERSITY: Mira Slavova (2006), ERASMUS UNIVERSITY: Yixin Lu (2014), UNIVERSITY OF HAGEN: René Ramacher (2014)

### **Habilitation & Tenure Committees**

Dr. Clemens van Dinther (2010, Habilitation at the KIT, Karlsruhe), Dr. Thomas Setzer (2012, TU Munich), Dr. Sven Seuken (2016, University of Zurich)

### **Professional Activities**

- Advisory Council Member of the TUM Institute for Advanced Study, 2017-2020.
- Advisory Board of the Business Intelligence and Smart Services Institute, Maastricht since 2016.
- Judge for the INFORMS ISS Design Science Award 2014, 2015, and 2016.
- Editor-in-Chief of Business & Information Systems Engineering since 2012.
- Fellow of the Center for Engineering Social and Economic Institutions, Zurich University, since 2012
- Board Member of the Bavarian Elite Master program "Finance and Information Management", since 2004.
- Vice-Chair of the German Informatics Society (GI) FB Information Systems, 2010-2012.
- Managing Director for Finances at the Department of Informatics at TUM, since 2004.
- Executive Board Member of the IEEE Computer Society Technical Committee on E-Commerce, 2005-2010.
- Co-Chair of the GI Task Force 5.5 on E-Commerce, 2005-2009.
- Member of an expert panel on Service Sciences for the German Ministry of Education and Science (BMBF), 2008/9.

- Member of the Roland Berger Academic Network, 2003-2013.
- Steering Committee Member of the Research Program „eNegotiation“, funded by the Social Sciences and Humanities Research Council (SSHRC), Canada, 2004-2007.
- Associate Partner of the E-Commerce Competence Center (EC<sup>3</sup>), Vienna, 2006-2012.

## **Recent Invited Talks**

- Semi-Plenary Lecture at the International Conference of Operations Research, Berlin, September 2017.
- Invited Talk on Designing Smart Markets at the Brightland Smart Services Campus near Maastricht, Netherlands on February 22, 2017.
- Keynote at the Mathematics in Operations Research Conference, Amsterdam, January 19, 2017.
- Semi-Plenary Lecture at the International Conference of Operations Research, Berlin, September 2017.
- Invited Talk at the University of Connecticut OPIM Seminar, August 2016.
- Invited Talk at the Market Design Symposium, Zurich, April 2016.
- Invited Talk at the EUI Market Design Workshop, Florence, April 2016.
- Invited Talk at the UTS Market Design Symposium, Sydney, July 2015.
- Keynote at the IS Young Scholars Meeting, Würzburg, November 2015.
- Invited Talk at the Carnegie Mellon University iSchool, November 2014.
- Invited Talk at the Erasmus Market Design Workshop, Rotterdam, June 2014.
- Keynote YAMS, Salzburg, December 2013.
- Keynote at the BIS Conference, June 2013.
- Invited Talk at the ESA Market Design Workshop, Zurich, July 2013.
- Invited Talk at the Auction and Market Design Workshop, Cologne, August 2013.
- Invited Talk at the Market Design Workshop, Zurich, November 2012.
- Semi-Plenary Lecture at the International Conference of Operations Research, Hanover, September 2012.

## **Conference Organization**

- Doctoral Consortium Co-Chair for ICIS 2019, Munich, Germany, 2019.
- Track Co-Chair, International Conference on Information Systems (ICIS), Track on Teaching in IS, Seoul, Korea, 2017.
- Senior Program Committee Member, ACM Conference on Economics and Computation, Maastricht, Netherlands, 2016.
- Stream Chair, Pricing, Revenue Management, and Smart Markets, International Conference on Operations Research, Aachen, Germany, 2014.
- Doctoral Consortium Faculty Member, International Conference on Information Systems (ICIS), Milan, Italy, 2013.
- Track Co-Chair, International Conference on Information Systems (ICIS), Track on Service Management and IS, Milan, Italy, 2013.
- Program Committee Co-Chair, International Conference on Electronic Commerce (ICEC), Singapore, 2012.
- Cluster Co-Chair with B. Day for the Auction Cluster, INFORMS Annual Meeting, Charlotte, North Carolina, USA, 2011.
- Session Organizer, INFORMS Annual Meeting 2009, Session on Experimental Analysis of Combinatorial Auctions, San Diego, USA, 11.10.2009.
- Workshop Chair, ICSE Workshop on Cloud Computing 2009, Vancouver, Canada, 23.05.2009.
- Organizing Committee, Multikonferenz Wirtschaftsinformatik (MKWI 2008), Munich, Germany, 20.-22.03.2008.
- Organizing Committee, Multikonferenz Wirtschaftsinformatik (MKWI 2008), Track E-

Contracting, Munich, Germany, 20.-22.03.2008.

- Demo Chair, ACM International Conference on Service-Oriented Computing, Vienna, Austria, December 4-7, 2007.
- Program Committee Co-Chair, IEEE Conference on Service-Oriented Computing and Applications, Irvine, USA, June 19-20, 2007.
- Track Chair, eServices: Applications, Service Management and Technologies, Wirtschaftsinformatik 2007, Karlsruhe, Germany, February 2007.
- Organizing Committee, „Service-oriented E-Commerce“, Multikonferenz Wirtschaftsinformatik (MKWI 2006), Passau, Germany, 20.-22.03.2006.
- GENERAL CHAIR, IEEE Conference on E-Commerce (CEC 2005), Munich, Germany, July 2005.
- PROGRAM COMMITTEE CHAIR, IEEE Conference on E-Commerce (CEC 2004), San Diego, USA, July 2004.
- PROGRAM COMMITTEE CHAIR, DEXA E-Commerce and Web Technologies (ecWeb 2004), Zaragoza, Spain, Sept. 2004.
- Track Chair, eProcurement, Wirtschaftsinformatik 2005, Bamberg, Germany, February 2005.
- Organizing Committee, „Coordination in Supply Networks“ Track, Multikonferenz Wirtschaftsinformatik (MKWI 2004), Duisburg, Germany, 9.-11.03.2004.
- Organizing Committee, IEEE Conference on Electronic Commerce (CEC 2003), Newport Beach, CA, USA, June 26-28, 2003.
- Organizing Committee, Fourth International Symposium on Multimedia Software Engineering (MSE2002), Newport Beach, CA, USA, Dec. 2002.
- Organizing Committee/Program Committee Chair, 4th IEEE International Workshop on Advanced Issues of E-Commerce and Web-based Information Systems, Newport Beach, CA, USA, June 26-28, 2002.
- Organizing Committee, IBM Research Workshop on Dynamic Pricing in eBusiness, Yorktown Heights, NY, USA, July 16-17, 2001.
- Organizing Committee, ECIS 2000, Vienna, Austria, July 3-5, 2000.
- Workshop Chair, CaiSE\*00 Workshop on Infrastructures for Dynamic Business-to-Business Service Outsourcing (IDSO'00), June 6, 2000, Stockholm, Sweden.
- Workshop Chair, HCI '99 SIG "Electronic Markets on the Internet", Munich, Germany, August 22-27, 1999.
- Workshop Chair, International Workshop on Component-based Electronic Commerce, Berkeley, California, USA, July 25, 1998.

**Guest Editorships  
in Academic  
Journals**

- Guest Editor, Business and Information Systems Engineering, Special Issues on IT Service Management and IT Automation, 2010.
- Guest Editor, Production and Operations Management, Special Issues on E-Auctions in Procurement Operations, 2006.
- Guest Editor, Information Systems and eBusiness, Special Issues on Service-oriented Enterprise Applications and Web Service Composition, 2004.
- Guest Editor, Group Decisions and Negotiations, 2 Special Issues on Electronic Negotiations, 2003.
- Guest Editor, Electronic Commerce Research Journal, Special Issue on Business Process Integration and E-Commerce Infrastructure, 2003.
- Guest Editor, Electronic Commerce Research Journal, Special Issue on Theory and Application of Electronic Market Design, 2001.

Munich, December 2016

