

OLIVER BAUMANN
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EMPLOYMENT

2017 – present	Professor with special responsibilities, University of Southern Denmark
2011 – 2017	Associate Professor, University of Southern Denmark
2008 – 2011	Assistant Professor, University of Munich
2004 – 2008	Research and Teaching Associate, University of Munich

VISITING POSITIONS

2009 – 2012	Visiting Professor, Université de Strasbourg
2010 (fall)	Visiting Scholar, Wharton School, University of Pennsylvania
2007 (spring)	Visiting Ph.D. Student, Wharton School, University of Pennsylvania

EDUCATION

2004 – 2008	Ph.D. in Business Economics, University of Munich
2005 – 2007	Master of Business Research, University of Munich
2002 – 2003	M.Sc. in Engineering Management, Portland State University
1999 – 2004	M.Sc. in Business Engineering, Karlsruhe Institute of Technology

RESEARCH AND PUBLICATIONS

Interests

- Organization design
- Organizational search and learning
- Firms as complex adaptive systems
- Computational modeling and simulation

Articles in Refereed Journals

- [1] Oliver Baumann, JP Eggers, and Nils Stieglitz. Forthcoming. “Colleagues and Competitors: How Internal Social Comparisons Shape Organizational Search and Adaptation.” *Administrative Science Quarterly*.

- [2] Oliver Baumann. 2015. "Models of Complex Adaptive Systems in Strategy and Organization Research." *Mind & Society*, 14, 2, 169-183.
- [3] Oliver Baumann. 2015. "Distributed Problem Solving in Modular Systems: The Benefit of Temporary Coordination Neglect." *Systems Research and Behavioral Science*, 32, 1, 124-136.
- [4] Oliver Baumann and Nils Stieglitz. 2014. "Rewarding Value-Creating Ideas in Organizations: The Power of Low-Powered Incentives." *Strategic Management Journal*, 35, 3, 358-375.
- [5] Isabel Dörfler and Oliver Baumann. 2014. "Learning from a Drastic Failure: Lessons from the Airbus A380 Program." *Industry and Innovation*, 21, 3, 197-214.
- [6] Oliver Baumann and Nicolaj Siggelkow. 2013. "Dealing with Complexity: Chunky vs. Incremental Search Processes." *Organization Science*, 24, 1, 116-132.
- [7] Nico Grove and Oliver Baumann. 2012. "Complexity in the Telecommunications Industry: When Integrating Infrastructure and Services Backfires." *Telecommunications Policy*, 36, 1, 40-50.
- [8] Oliver Baumann and Dirk Martignoni. 2011. "Evaluating the New: The Contingent Value of a Pro-Innovation Bias." *Schmalenbach Business Review*, 63, 4, 349-371.
- [9] Oliver Baumann. 2010. "Search, Failure, and the Value of Moderate Patience." *Schmalenbach Business Review*, 62, 3, 233-258.
- [10] Oliver Baumann. 2009. "Innovation in komplexen Systemen: Wann zahlt es sich aus, Fehlschläge geduldig zu tolerieren?" *zfo – Zeitschrift Führung und Organisation*, 4, 240-244.
- [11] Arnold Picot and Oliver Baumann. 2009. "The Relevance of Organization Theory to the Field of Business and Information Systems Engineering." *Business & Information Systems Engineering*, 1, 1, 62-69. German version: "Die Bedeutung der Organisationstheorie für die Entwicklung der Wirtschaftsinformatik." *Wirtschaftsinformatik*, 51, 1, 72-81.
- [12] Oliver Baumann and Hariolf Grupp. 2008. "Firm Boundary Decisions: The Market for Health-Related R&D Services with an Empirical Case Study for Germany." *International Economics and Economic Policy*, 5, 3, 297-321.
- [13] Arnold Picot and Oliver Baumann. 2007. "Modularität in der verteilten Entwicklung komplexer Systeme: Chancen, Grenzen, Implikationen." *Journal für Betriebswirtschaft*, 57, 3-4, 221-246.

Proceedings, Book Chapters, Other Publications

- [14] Oliver Baumann and Nils Stieglitz. 2014. „Don't Offer Employees Big Rewards for Innovation." *Harvard Business Review* online article, 12 June 2014, <http://blogs.hbr.org/2014/06/dont-offer-employees-big-rewards-for-innovation/>, also cited on slate.com and inc.com.
- [15] Nico Grove and Oliver Baumann. 2011. "Complexity in the Telecommunications Industry: The Challenge of Reconciling Bitpipe and Services." *Proceedings of the 11th Pacific Telecommunications Council*.
- [16] Oliver Baumann and Nicolaj Siggelkow. 2011. "Complexity and Competitive Advantage." *SAGE Handbook of Complexity and Management*, edited by Peter Allen, Steve Maguire, Bill McKelvey, London: SAGE, 494-505.
- [17] Oliver Baumann and Nicolaj Siggelkow. 2008. "Chunky vs. Incremental Growth: How to Expand a Search Domain." *Academy of Management Best Paper Proceedings*.
- [18] Oliver Baumann. 2007. "When Less Is More (and When It Isn't): High-level Coordination in Modular Systems." *Proceedings of the R&D Management Conference*.
- [19] Arnold Picot and Oliver Baumann. 2007. "Die verteilte Entwicklung komplexer Systeme: Grenzen der Modularität und Fähigkeiten zur Systemintegration." In: Ulrich Blum, Andreas Eckstein, and Andrea Eckstein (Eds.). *Wirtschaftsinformatik im Fokus der Modernen Wissensökonomie: Netzwerkökonomie und Electronic Business - Electronic Learning - Systementwicklung und Modellierung*. Festschrift für Prof. Dr. Dr. h. c. Wolfgang Uhr. Dresden: TUDpress, 335-352.
- [20] Oliver Baumann. 2003. "On the Application of Data Envelopment Analysis to R&D Project Selection." *Proceedings of Portland International Conference on the Management of Engineering and Technology*.

Working Papers

- [21] Oliver Baumann and Rebecca Ermecke. "Rocket Internet: Organizing a Startup Factory."
- [22] Oliver Baumann, Markus Becker, and Isabel Dörfler. "Ensuring Adaptation in Hierarchical Systems: Tiered Outsourcing and Skip-level Supplier Ties in the Airbus A350 Program."
- [23] Rebecca Ermecke and Oliver Baumann. "Organizing a Venture Factory: Company Builder Incubators and the Case of Rocket Internet."
- [24] Oliver Baumann and Nicolaj Siggelkow. "Cutting through the Fog of Demand: The Competitive Value of Customer Information."

- [25] Oliver Baumann, Markus Becker, and Isabel Dörfler. "Choosing Paths to Becoming a Systems Integrator: Lessons from Airbus' 'New Systems Policy'."

Work in Progress

- Resource allocation and adaptation in multi-business firms (with JP Eggers and Songcui Hu)
- Performance landscapes models (with Jens Schmidt and Nils Stieglitz)
- Stretch targets and organizational learning (with Matthias Mahlendorf and Zhiyan Wu)
- Social comparison and learning in networks (with Liangjie Zhao)
- Diversification revisited (with Michael Christensen and Thorbjørn Knudsen)
- Learning in hierarchies (with Kannan Srikanth)

Dissertation

- "Problem Solving in Complex Systems: Essays on Search, Design, and Strategy."
(Advisor: Arnold Picot, Co-advisor: Dietmar Harhoff)

PRESENTATIONS

The Complexity of Collaboration

- University of Southern Denmark, Odense, 2017

Controlling Search in Hierarchical Organizations

- Carnegie School of Organizational Learning Conference, Asilomar, 2017

Cutting through the Fog of Demand: The Competitive Value of Customer Information

- Theoretical Organizational Models Society Conference, Rome, 2017
- Carnegie School of Organizational Learning Conference, Asilomar, 2016

Regulating Organizational Search: Internal Social Comparisons and Adaptation in Multi-Unit Organizations

- Warwick Business School, Coventry, 2017
- Max Planck Institute for Innovation and Competition, Munich, 2016
- Copenhagen Business School, Copenhagen, 2016

Organizing a Venture Factory: Company Builder Incubators and the Case of Rocket Internet

- Academy of Management Meeting, Vancouver, 2015

A Model of Customer Interaction and Innovation

- Theoretical Organizational Models Society Conference, Venice, 2015

Adaptive Goal Systems

- Workshop on Change, Organizational Plasticity and Evolution, Barcelona, 2014

A Limit to Outsourcing Complexity: Coordination vs. Cooperation in the Airbus A350 Program

- Frankfurt School of Finance and Management, Frankfurt, 2015
- Vienna Conference on Strategy, Organizational Design, Vienna, 2015
- Academy of Management Meeting, Philadelphia, 2014
- DRUID Society Conference, Copenhagen, 2014

Adaptation and Multi-Business Firms: Competition, Aspirations, and Innovation

- BI Business School, Oslo, 2014
- Erasmus University Rotterdam, Rotterdam, 2014
- Eindhoven University of Technology, Eindhoven, 2014
- Strategic Management Special Conference, Tel Aviv, 2014
- Academy of Management Meeting, Orlando, 2013
- Vienna Conference on Strategy, Organizational Design, and Innovation, Vienna, 2013
- DRUID Society Conference, Barcelona, 2013
- Theoretical Organizational Models Society Conference, New York, 2013

Organizing for Distributed Innovation: Pushing the Envelope with Airbus' 'New Systems Policy

- University of Southern Denmark, Odense, 2013
- Academy of Management Meeting, Boston, 2012
- DRUID Society Conference, Copenhagen, 2012
- Copenhagen Business School, Copenhagen, 2012

Balancing Exploration and Exploitation: Implications of Being Unbalanced

- Academy of Management Meeting, Boston, 2012

Rewarding Value-Creating Ideas in Organizations: The Power of Low-Powered Incentives

- Israel Strategy Conference, Tel Aviv, 2012
- Academy of Management Meeting, San Antonio, 2011
- DRUID Society Conference, Copenhagen, 2011
- INFORMS Annual Meeting, Austin, 2010

Challenges to Identifying, Implementing, and Maintaining a Balance between Exploration and Exploitation

- Academy of Management Meeting, San Antonio, 2011

Routine Change in Response to Drastic Failure: Improvisation and Systematic Learning during the Development of the Airbus A380

- EGOS Colloquium, Gothenburg, 2011

Simulation vs. Formal Models

- Theoretical Organizational Models Society Conference, Barcelona, 2011

Evaluating the New: Why do we see so few firms with a pro-innovation bias?

- German Academic Association for Business Research Meeting, Bremen, 2010
- German Academic Association for Business Research, Berlin, 2010
- Israel Strategy Conference, Be'er Sheva, 2009

Uncertainty, Learning, and the Termination of Bad Projects

- Ecole de Management, Strasbourg, 2010
- INFORMS Annual Meeting, San Diego, 2009

Simulation Modeling in Innovation and Management Research

- Ecole de Management Strasbourg, 2010
- Technical University of Munich, 2009

Modeling Complexity and Competitive Advantage

- Center for Advanced Studies, University of Munich, 2009

Problem Solving in Complex Systems: Essays on Search, Design, and Strategy

- Academy of Management Meeting, Chicago, 2009
- DRUID Summer Conference, Copenhagen, 2009

Search, Failure, and the Value of Moderate Patience

- Academy of Management Meeting, Chicago, 2009
- German Academic Association for Business Research, Berlin, 2009
- Israel Strategy Conference, Tel Aviv, 2008

Power in Organizational Learning

- Organization Science Winter Conference, Steamboat Springs, 2009

Efficiently Adapting or Muddling Through? The Contingent Value of Evaluation Capabilities

- Organization Science Winter Conference, Steamboat Springs, 2009

Chunky vs. Incremental Growth: How to Expand a Search Domain

- University of Southern Denmark, Odense, 2008
- Strategic Management Society Conference, Cologne, 2008
- Academy of Management Meeting, Anaheim, 2008
- German Academic Association for Business Research Meeting, Berlin, 2008
- German Academic Association for Business Research, Munich, 2008

Cognitive and Experiential Evaluation: Implications for Exploration and Exploitation

- Academy of Management Meeting, Anaheim, 2008
- DRUID Summer Conference, Copenhagen, 2008

Coordinating Search in Modular Systems: The Value of (Temporary) Integration

- Academy of Management Meeting, Anaheim, 2008
- Organization Studies Summer Workshop, Cyprus, 2008
- INFORMS Annual Meeting, Seattle, 2007
- The R&D Management Conference, Bremen, 2007
- Management Department Ph.D. Seminar, The Wharton School, Philadelphia, 2007

The German Market for Health-Related R&D Services

- Economic Policy Research Seminar, Karlsruhe Institute of Technology, 2004

TEACHING

Interests

- Organization theory and organization design
- Business and corporate strategy
- Strategy execution and performance management

University of Southern Denmark

2015 – present	Business Performance Management (Executive MBA)
2013 – present	Organization of Innovation (M.Sc.)
2012 – present	Corporate Strategy and Organization Design (M.Sc.)
2011 – 2016	Foundations of Organization (M.Sc.)
2012 – 2015	Strategy and Management (B.Sc.)
2011 – 2012	Advanced Strategy and Organization Theory (M.Sc.)

University of Munich

2009 – 2012	Simulation Modeling in Management Research (Ph.D., one module)
2011	Complexity and Competitive Advantage (executive, one module)
2005 – 2010	Business Information Systems (B.Sc., large lecture)
2010	Knowledge Management (M.Sc.)
2009	Simulation Models of Strategy and Organization (B.Sc.)
2005 – 2008	Innovation and Strategy in the ICT Industry (B.Sc.)
2004 – 2008	Project and Change Management (B.Sc.)
2007	Financial Analysis and Management (B.Sc., assistance)

Université de Strasbourg

2009 – 2012	Information, Organization and Management (M.Sc.)
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Supervision

Supervised more than 100 master's theses, bachelor's theses, and other reports

PROFESSIONAL ACTIVITIES

Organizing activities	Symposium "Allocating Corporate Resources: The Need for New Theory," Academy of Management Meeting, Atlanta, 2017
	Workshop "Current Research in Organization Design: Topics, Tools, and Triumphs," Academy of Management Meeting, Philadelphia, 2014, Vancouver, 2015, Anaheim, 2016, Atlanta, 2017, Chicago 2018
	Workshop "Navigating the Publication Process," DRUID Conference, Copenhagen, 2016

	Workshop “Behavioral Target Setting,” Frankfurt School of Finance and Management, 2015
	Theoretical Organization Modeling Conference, Università Ca’ Foscari, 2015, University of Southern Denmark, 2014, New York University, 2013, Universitat Pompeu Fabra, 2012
	Workshop “Change, Organizational Plasticity, and Evolution,” Universitat Pompeu Fabra, Barcelona, 2014
	Seminar series, Danish Institute for Advanced Study (D-IAS), University of Southern Denmark, Odense, 2012 – 2015
	Seminar series, Strategic Organization Design Unit, University of Southern Denmark, Odense, 2011 – 2014
	Workshop “Simulating Complex Organizations,” Center for Advanced Studies, University of Munich, 2009
	Multi-Conference Information Systems, University of Munich, 2008
Management and leadership	Research group leader, Strategic Organization Design unit, and member of the department leadership team, 2018 – present
	Vice research group leader, Strategic Organization Design unit, and member of the department leadership team, 2015 – 2017
	Budget administrator (public and third-party), Institute for Information, Organization and Management, University of Munich, 2005 – 2010
	Coordinator of the research assistants, Institute for Information, Organization and Management, University of Munich, 2005 – 2008
Ph.D. committees and supervision	Daria Arkhipova, Università Ca’ Foscari Venice (member), 2014 Oguz Ali Acar, Erasmus University Rotterdam (member), 2014 Felix Obschonka, Free University of Berlin (co-advisor), 2011 – 2014 Ulrik William Nash, University of Southern Denmark (chair), 2013 Jade Maneja, University of Southern Denmark (chair), 2012 Isabel Dörfler, University of Munich (co-advisor), 2010 – 2012 Rebecca Ermecke, University of Munich (co-advisor), 2010 – 2012
Recruitment committees	Assistant Professorship in Strategic Organization Design, 2017 Research advisor, 2016 Associate Professorship in Strategic Organization Design, 2016 Part-time Professorships in Strategic Organization Design, 2015 Assistant Professorships in Strategic Organization Design, 2014 Assistant Professorships in Strategic Organization Design, 2013

Part-time Professorships in Strategic Organization Design, 2013

Professional development	Leadership program, Faculty of Business and Social Science, University of Southern Denmark, 2017 Leadership program, University of Southern Denmark, 2016 – 2017 Ph.D. supervisor training, University of Southern Denmark, 2012 Pedagogy program, University of Southern Denmark, 2010 – 2011 Professional teaching workshop, University of Munich, 2010 Junior faculty workshops, German Academic Association for Business Research, 2009, 2010, and Academy of Management Technology and Innovation Management Division, 2008
Academic memberships	Academy of Management (AOM) Danish Research Unit for Industrial Dynamics (DRUID) German Academic Association for Business Research (VHB) Organizational Design Community (ODC) Theoretical Organization Models Society (TOM)

EDITORIAL ACTIVITIES

Editorial positions	Associate Editor, Journal of Organization Design, 2018 – present Advisory Board, Schmalenbach Business Review, 2015 – present Editorial Board, Organization Science, 2013 – present
Refereeing for journals	Academy of Management Review, Administrative Science Quarterly, Computational and Mathematical, Organization Theory, Creativity and Innovation Management, IEEE Transactions on Engineering Management, International Journal of Technology Management, Journal of Engineering and Technology Management, Journal of Institutional Economics, Journal of Organization Design, Management Science, Organization Studies, Production and Operations Management, Research Policy, Strategic Management Journal, Strategic Organization, Structural Change and Economic Dynamics, Telecommunications Policy
Refereeing for conferences	Academy of Management, DRUID, European Academy of Management, International Conference on Information Systems, International Conference on Wirtschaftsinformatik, Israel Strategy Conference, Strategic Management Society, German Academic Association for Business Research
Refereeing for funding agencies	Bavarian Academy of Sciences and Humanities, Cusanuswerk, Ernst Ludwig Ehrlich Studienwerk, German Academic Exchange Service, German National Merit Foundation, Konrad-Adenauer-Stiftung, Schmalenbach-Stiftung, Swiss National Science Foundation

AWARDS AND HONORS

2015, 2016	Best Reviewer Award, Academy of Management, Technology and Innovation Management Division
2014	Finalist, Best Paper Award, DRUID Society Conference
2009	Finalist, Best Paper Award, Israel Strategy Conference
2009	Finalist, Best Dissertation Competition, Academy of Management, Technology and Innovation Management Division
2009	Best Dissertation Award, DRUID Society
2009	Young Researcher Award, Organization Section, German Academic Association for Business Research
2008	Outstanding Dissertation Award, Munich School of Management
2003	Omega Rho, Operations Research Honor Society
2003	Tau Beta Pi, Engineering Honor Society
1999	Formal commendation, German Air Force
1998	Graduation awards in Latin and Mathematics

GRANTS AND FELLOWSHIPS

2017 – 2021	Research grant, Danish Council for Independent Research (DFF/FSE), “Controlling Innovation in Complex Organizations” (~500,000 EUR)
2012 – 2014	Research grant, German Research Foundation (DFG), “The Role of Interdependencies and Fit in M&A Performance” (PI: Tobias Kretschmer, University of Munich)
2007 – 2010	Travel grants from German Academic Association for Business Research, German Academic Exchange Service, German Research Foundation, Haniel Foundation, LMU Management Alumni, Munich University Society
2007	Fellowship, German Academic Exchange Service (DAAD)
2002 – 2003	Fellowship, German-American Fulbright Commission
2002 – 2003	Fellowship, Oregon-Baden-Württemberg state exchange program
2000 – 2008	Fellowship, e-fellows.net

OTHER PROFESSIONAL EXPERIENCE

2004	Fraunhofer Institute for Systems and Innovation Research, research assistant
2003	DaimlerChrysler AG, corporate strategy department, intern
2000 – 2004	delta Karlsruhe consulting group, student consultant
2001 – 2002	Karlsruhe Institute of Technology, Institute of Applied Informatics and Formal Description Methods, research assistant
2000 – 2001	youSmile.de (startup), business development, part-time employee
1998 – 1999	German Air Force, air defense missile wing, military service
1997, 1998	Thales Communications and SEL Defense Systems, summer intern

PERSONAL

- Born 22 March 1979, German citizen
- Languages: German, English, Danish
- Interests: boxing, cooking, gardening, playing the piano