

## Master Thesis for Management Students

The purpose of a Master- or Diploma Thesis in Organization or Innovation is the science-based examination of an organization and/or innovation related subject and thereby the enhancement of organization and/or innovation related knowledge.

### Requirements

- The successful completion of the research seminar “MAN 721 Research Seminar Organization and Innovation” (with a grade of 3.0 or better) is formally required for the admission to the Master thesis.
- Parallel attendance at the master thesis colloquium, including presentation and discussion of your master thesis topic.
- Master-level knowledge on innovation and management.
- Familiarity with the principles and core techniques of econometric analyses.
- Interest in scientific research.

### Choice of Topic

We expect students to choose their own topic for their thesis. Support through our teaching staff is provided throughout the thesis. For an overview of supervisors’ areas of expertise please consult the table and brief summaries below. We are open to discussing thesis topics with a connection to the academic fields of organization and/ or innovation that fall outside of the described focus areas. Theses in cooperation with a company are possible, if scientifically relevant research questions are addressed.

Supervisor	Topics	Approach
Marc Lerchenmüller	<ul style="list-style-type: none"> <li>• Technological innovation</li> <li>• Economics and management of science</li> </ul>	<ul style="list-style-type: none"> <li>• Large archival data</li> <li>• Surveys</li> <li>• Theory construction</li> </ul>
Mona Reber	<ul style="list-style-type: none"> <li>• Organization of innovation</li> <li>• Creativity</li> </ul>	<ul style="list-style-type: none"> <li>• Qualitative (e.g., interviews)</li> <li>• Surveys</li> <li>• Conjoint</li> </ul>
Claudia Rossetti	<ul style="list-style-type: none"> <li>• Corporate Social Responsibility</li> <li>• Labor mobility, with a focus on the entrepreneurial context</li> <li>• Organizational behavior</li> <li>• Organizational crisis management</li> </ul>	<ul style="list-style-type: none"> <li>• Surveys</li> <li>• Scenario-based experiments</li> <li>• Conjoint</li> </ul>
Leo Schmallenbach	<ul style="list-style-type: none"> <li>• Technological innovation</li> <li>• Knowledge work</li> <li>• Stars and teams</li> <li>• Social categories</li> </ul>	<ul style="list-style-type: none"> <li>• Archival data</li> <li>• Experiments</li> <li>• Surveys</li> </ul>

Himani Singh	<ul style="list-style-type: none"> <li>• Creativity and knowledge processes</li> <li>• Relational rivalry</li> <li>• Organizational behavior</li> <li>• Entrepreneurial mobility</li> </ul>	<ul style="list-style-type: none"> <li>• Experiments</li> <li>• Surveys</li> <li>• Qualitative methods (e.g., interviews)</li> </ul>
Nico Zeiner	<ul style="list-style-type: none"> <li>• Financing of innovation</li> <li>• Innovation and entrepreneurship</li> <li>• Innovation strategy</li> </ul>	<ul style="list-style-type: none"> <li>• Surveys</li> <li>• Conjoint</li> <li>• Archival data</li> </ul>

### **Marc Lerchenmüller**

My primary stream of research pertains to the economics of innovation in general and technology development in particular, including ensuing entrepreneurial activity. I examine, for example, how individuals' and organizations' strategic adaptation to competitive conditions influences the pathway to innovation and entrepreneurial outcomes. My second stream of research is at the intersection of the management and sociology of science, with a focus on causes of the gender gap in science and scientific innovation more broadly.

I supervise Master theses on these topics and I am also open to suggestions in related areas. I supervise both theoretical theses as well as empirical theses with a focus on data science and large-scale archival data.

### **Mona Reber**

My research focuses on the organization of knowledge-intensive activities in the quest for creativity and innovation. I examine, for example, how granting autonomy to knowledge workers (i.e. freedom to choose projects or tasks) influences innovative outcomes. Relevant concepts include work design, theories of motivation, incentives, agency theory, individual and organizational creativity, and knowledge recombination.

I supervise Master theses on these topics and I am also open to suggestions in related areas. I supervise both quantitative and qualitative empirical theses while the focus of quantitative approaches is on surveys and conjoint experiments.

### **Claudia Rossetti**

My research interests range from organizational crisis management and Corporate Social Responsibility to organizational behavior and labor mobility, mainly in the entrepreneurial context. For instance, in my research projects, I examine how corporate responses to crises, such as scandals, affect firms' relationships with key stakeholders. I also investigate drivers of individuals' career movements, focusing on factors that may explain entry in full-time or hybrid entrepreneurship, re-entry into entrepreneurship after an initial business failure, and exit from entrepreneurship.

I supervise Master theses on these topics and I am also open to suggestions in related areas. I supervise quantitative empirical theses based on surveys, experimental designs, including scenario-based and conjoint experiments.

### **Leo Schmallenbach**

My personal research interests focus on the influence of social categories and processes on knowledge work at different levels of analysis. I examine, for example, the effect of star inventors on knowledge recombination in teams or the influence of mentors on early-career researchers. I am further interested in how teams and individuals behave in extreme situations characteristics by high psychological pressure or extraordinary circumstances. Beyond that I am fascinated by new technologies and trends that have the potential to change entire industries or influence the society as a whole.

I supervise Master theses at the intersection of psychology, sociology, and innovation management. I am also open to suggestions in related areas. I supervise quantitative empirical theses based on large-scale datasets and experimental designs.

### **Himani Singh**

My research interests range from creativity and knowledge processes in teams to social and relational influences on performance. For instance, I study the performance effects of rivalry as an intense, enduring competitive relationship that heightens the psychological significance of competition. In my other projects, I examine how the gender of star performers influences knowledge outcomes, and what drives entry into hybrid entrepreneurship.

I supervise Master theses on these topics, and I am also open to suggestions in related areas as well as broader topics of relevance to organizational behavior. I supervise both quantitative (e.g., surveys, experiments) and qualitative (e.g., interviews) empirical theses.

### **Nico Zeiner**

My general research focus is entrepreneurship and more specifically the question of how innovation can be financed. I study, for example, the signaling effect of a start-up's innovativeness on funding decisions of classical venture capitalists. In addition, I am also interested in emerging forms of entrepreneurial finance, such as Crowdfunding.

I supervise Master theses in the field of entrepreneurial finance, but I am also open to topics covering the strategic management of innovation in companies. In general, my empirical approach is quantitative with a focus on the analysis of survey data and archival data and data collected in the course of conjoint experiments.

## Access to data

The chair routinely works with large scale datasets on patents and scientific publications that allow addressing research questions in the fields of innovation and organization. These data cater to the use of statistical programming, using packages like Stata, R, and Python. In addition, we have access to international survey data on innovators. The chair also supervises projects that involve primary data collection (e.g., through surveys and interviews). Collaborations with industry or research organizations (e.g., ZEW, Max Planck, Fraunhofer Institutes) to get access to relevant data are highly welcome.

## Application

At the Chair of Organization and Innovation applications for Master- and Diploma Theses can be submitted on the **first and last Wednesday of each semester's lecture period**. We accept applications up to **three months prior** to your planned official **registration**.

### Application process:

1. Students form an opinion about a desired topic.
2. Students fill out the application, consisting of the application form, CV, transcript of records, and a one-page overview of the envisioned thesis (see example on the homepage)
3. The complete application has to be sent to the contact person at our chair: *Marc Lerchenmüller*.
4. Based on the preferences and in consideration of the currently available, individual and collective time, we try to find the supervisor who best matches the student's scientific interests.
5. The assigned supervisor contacts the student.

**For a directional overview of a typical thesis timeline, please see the homepage.**

## Master Thesis Colloquium

The Master-Colloquium allows students to present the outline and specific topics of their thesis and to discuss the contents with other master students and members of the chair. The aim is to support the thesis development process and to identify possible areas for further development. Participation and presentation in the colloquium are obligatory. The presentation is not graded.

By the end of the module students developed

- academic presentation skills
- strengthening of critical thinking with respect to scholarly work
- knowledge of important challenges within the research process.

The dates for the master thesis colloquia will be announced online and through interactions with your supervisor. Please approach your supervisor after 1 month of writing the thesis for

setting up an appointment for your presentation. The contact person for questions regarding the procedure of the master thesis at our chair is *Leo Schmallenbach*.

### **Guidelines for Scientific Research**

Seminar papers as well as diploma, bachelor and master theses must meet the formal guidelines for scientific research (see Guidelines for Scientific Research).

### **Confirmation of Submitted Master Thesis**

If you need a confirmation about your master thesis' submission, please use the respective document (*confirmation submission*), which is available for download from our homepage, complement it, and bring two copies with you at the submission day.