

Junior Research Group “Knowledge and Technology Transfer”

► Team and Profile

We strive to enhance the understanding of basic mechanisms governing knowledge and technology transfer to guide practitioners and policy makers alike in decision making within a world of increasing uncertainty and rapid technological change.



Dr. Matthias Geissler

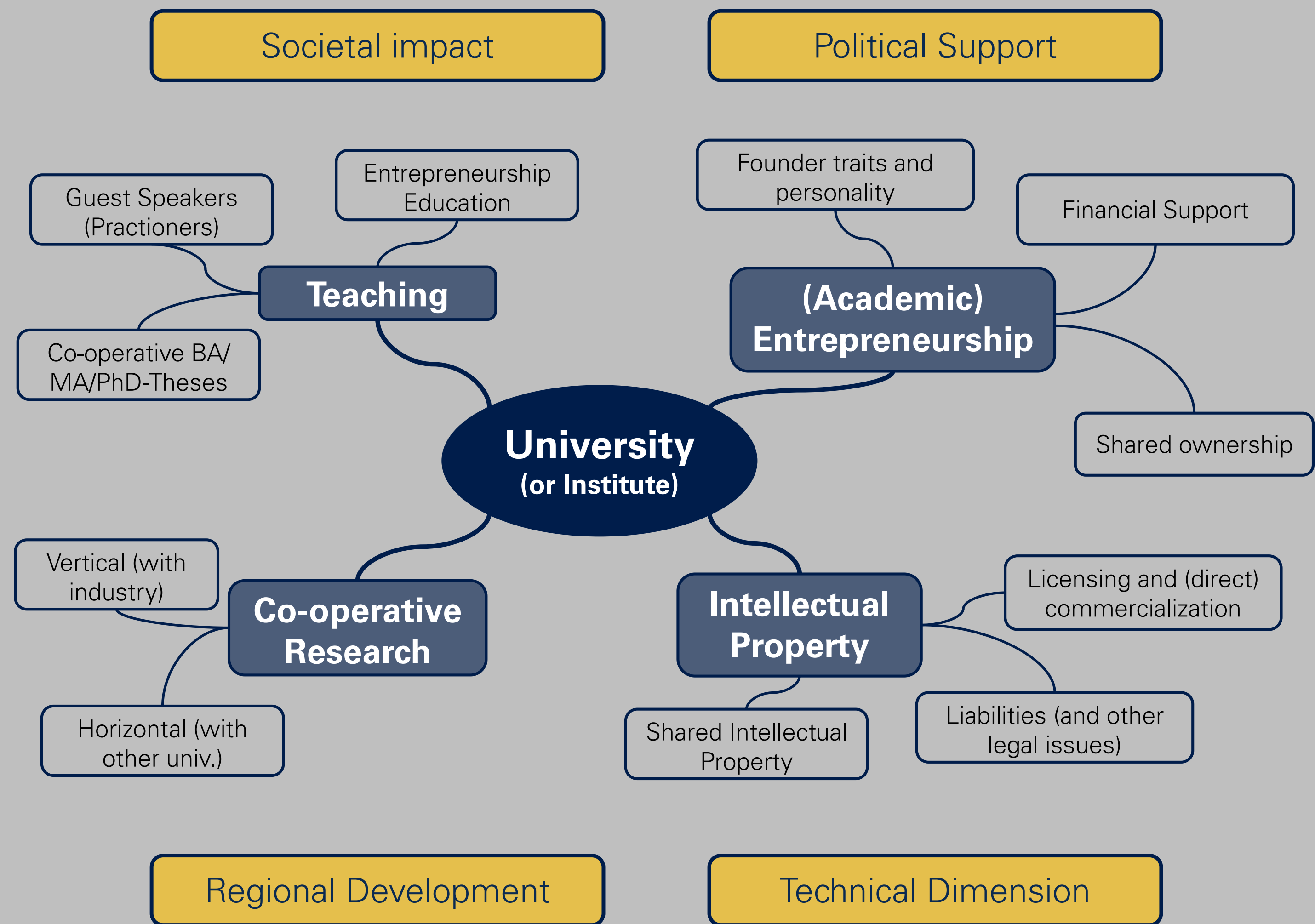


Sophia Zaehr, M. Sc.



Philipp Schulz, M. A.

► Dimensions of Knowledge and Technology Transfer



► Our Research

Empirical in nature, our research combines insights from a variety of social sciences within a framework of “hard” sciences and engineering stemming from the research object. We take a very broad approach to knowledge and technology transfer and draw on the fields of economics of new technology, entrepreneurship, knowledge management, economics of innovation, management of technology transfer and labor market migration. Our fields of interest include:

Institutions of knowledge and technology transfer at universities

How effective are existing mechanisms a) in generating returns and b) in transferring knowledge? Do shared-service models crowd-out informal ties in innovation networks? What is the impact of professional knowledge management on technology transfer? How sustainable is policy support for academic entrepreneurship?

Cooperative Research

Do German university types (TU, “Humboldt”-model, reformed) differ in cooperative industry-university PhD-projects? What kind of effects do these projects have on the academic research agenda at universities (if any)?

Societal impact and relevance of knowledge and technology transfer

How relevant is formalized technology transfer for the “knowledge society”? (How) Did universities change in response to new societal demands (e. g. the “third mission”)?

Knowledge transfer through worker migration

Does the (lack of) mobility of Human Capital impede knowledge flows? What role does the local industry structure play for the success of knowledge and technology transfer?

► Publications

In peer-reviewed journals

Buenstorf, G., Geissler, M. (2014): “Like Doktorvater, like Son? Tracing Role-Model Learning in the Evolution of German Laser Research.” *Journal of Economics and Statistics*, 234:158-184.

Buenstorf, G., Geissler, M. (2012): “Not invented here: Technology licensing, knowledge transfer and innovation based on public research.” *Journal of Evolutionary Economics*, 22: 481-511.

Buenstorf, G., Geissler, M.: “The origins of entrants and the geography of the German laser industry.” *Papers in Regional Science*, 90 (2011): 251-270.

Work-in-progress

Buenstorf, G., M. Geissler und S. Krabel (2015), “Mobility of German university graduates: Is (regional) beauty in the eye of the beholder?” *Review of Regional Research (R&R)*.

Rehs, A. und M. Geissler (2015), “Hitching or Nitching? Scientific re-orientation in the field of Economics after the German reunification” (mimeo)

Buenstorf, G., M. Geissler und S. Krabel (2014), “Gender and Immigration: Double Negative Effects in the Labor Market Outcomes of University Graduates in Germany?” (mimeo).

Buenstorf, G., Guenther, C., Geissler, M. (2014): “Diversification into laser technology by German machine tool producers, 1975-2008: Losing my religion?” (mimeo).

Geissler, M. und Schwabe, U.: “Skill-Mismatch and Labor Market Outcomes of German Higher Education Graduates” (mimeo).