



## Dr. oec. Michael Hudecheck

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Citizenship: United States of America

Switzerland Visa Status: B Permit with Unrestricted Work Privileges (EU/ETFA Family Reunification)

**Biography:** International Postdoctoral Fellow at the University of St. Gallen, where I conduct research on the strategy of organizational sustainability transitions with computationally intensive methods and data sources, such as satellite-based remote sensing data and large language models. I have first-author publications in MIT Sloan Management Review and manuscripts under revise and resubmit at Strategic Management Journal and Journal of Management Studies. My work has been presented at the Strategic Management Society and the Academy of Management. I aspire to a full-time career in academia as an Assistant Professor.

### Education

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#### University of St. Gallen

*Degree: Ph.D. in Management*

St. Gallen, Switzerland

Fall 2019 – Summer 2023

- Dissertation: Exploring the Resiliency of Entrepreneurs and Ventures in the Face of Adversity
- GPA: 5.7/6.0

#### ETH Zürich (Swiss Federal Institute of Technology) & University of Zürich

*Degree: Master of Arts in Comparative and International Studies*

Zürich, Switzerland

Fall 2015 – Spring 2018

- Master's Thesis: Evaluating the Impact of Repetitive Exposure and Counter Framing Treatments on Public Support for Climate Mitigation and Alternative Energy Policy

#### United States Federal Government Affiliated Staff College

*Degree: Master of Science of Strategic Intelligence*

Washington, DC

Fall 2012 – Summer 2013

- Master's Thesis: Rewriting Social Conflict Analysis: Examining the Potential for the Reemergence of Social Instability in the Russian Federation Through the Lens of the 2011-2013 Anti-Government Demonstrations
- Concentration: Eurasia Studies

#### Babson College

*Degree: Bachelor of Science in Business Management*

Babson Park, MA

Fall 2005 - Spring 2009

- Concentrations: Strategic Management & Entrepreneurship

### Academic Experience

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#### University of St. Gallen – Institute of Responsible Innovation

*International Postdoctoral Fellow & Postdoctoral Researcher*

St. Gallen, Switzerland

Fall 2023 - Current

- Awarded competitive International Postdoctoral Fellowship to conduct research on the strategy of organizational sustainability transitions
- Independently conduct research on topics associated with strategy and sustainability, with a particular focus on using computational methods and data sources, such large language models and satellite-based remote sensing data, to explore the intersection of strategy, entrepreneurship, and societal grand challenges
- Institute lead for Swiss National Science Foundation Indo-Swiss Collaboration Grant # “Investigating Informal Entrepreneurship in Indian Slums with Satellite Data”
- Lead author for manuscript in second-round revise and resubmit at Journal of Management Studies, co-author for manuscript in first-round revise and resubmit at Strategic Management Journal, and co-author for tentatively accepted manuscript at Nature Communications Earth & Environment

#### University of St. Gallen – Institute of Technology Management

*Ph.D. Candidate & Research Associate*

St. Gallen, Switzerland

Fall 2018 – Summer 2023

- Independently conducted research on topics associated with venture financing, sustainability, and adversity, with a particular focus on using geospatial methods and data to explore how observable organizational traces changed in response to adversity shocks
- First-author for two manuscripts published in MIT Sloan Management Review, which were among the first manuscripts published in a management-oriented Financial Times 50 (FT-50) ranked journal to use satellite-based remote sensing data as a primary data source

- Led conceptualization, drafting, and implementation of Swiss National Science Foundation Grant #31CA30\_196293 “Tracking and Managing the Economic and Social Impacts of COVID-19 through Collective Emotions, Media Traces, and Satellite-Based Remote Sensing Data” under Prof. Dr. Charlotta Sirén, which funded my Ph.D. studies from Spring 2020 to Summer 2023
- Awarded University of St. Gallen Impact Award for “Staying on Top of the Crisis: Tracking the Economic and Social Impacts of SARS-CoV 2 and Future Disasters to Improve Global Disaster Management Response Efforts” with Charlotta Siren, Dietmar Grichnik, and Joakim Wincent
- Lead presenter or co-presenter for conference presentations at the Strategic Management Society, Academy of Management Annual Meeting, and Babson College Entrepreneurship Research Conference
- Supported ideation and development of University of St. Gallen graduate course IC: Managing Adversity in Crisis
- Led development of Sentinel.jl, an open-source geospatial information systems (GIS) library written in the Julia programming language for processing and analyzing geospatial data from the ESA Sentinel 2, ESA Sentinel 5-Precursor, and NASA VIIRS remote sensing platforms, and other geospatial libraries in Julia and R

#### **ETH Zürich – Center for Comparative and International Studies**

*Starr International Foundation Excellence Scholar & Graduate Research Assistant*

**Zürich, Switzerland**

**Fall 2015 – Summer 2018**

- Awarded competitive Starr International Foundation Excellence Scholarship that funded my graduate studies at ETH Zürich
- Conducted research on environmental policy, message framing, and climate-induced migration outcomes in support of ERC Advanced Grant #2-73945-12
- Programmed framing, discreet choice, and conjoint analysis with JavaScript & Qualtrics; conducted geographic information systems (GIS) analysis on light pollution, rainfall levels, and environmental pollution data; and performed data modelling and qualitative analysis in R Statistics, Stata, and other platforms for the ETH Zürich Chair of International Relations
- Published reverse geocoding library in R Statistics, Revgeo, to R CRAN

#### **United States Federal Government Affiliated Staff College**

*Graduate Student*

**Washington, DC**

**Fall 2012 – Summer 2013**

- Awarded Master of Science in Strategic Intelligence Studies and Joint Professional Education Certification (Phase I) from accredited Federally chartered staff college
- Graduate thesis examined future social stability of Russian Federation through quantitative analysis of relevant demographic, economic, and health & welfare statistics. Included qualitative analysis of Russian national strategy, Russian information operations, and drivers of civil disobedience to explore determinants and consequences of Russian state control of public information domain
- Participated in 29<sup>th</sup> Annual Joint Land, Aerospace & Sea Simulation, a capstone strategic exercise for students enrolled at Department of Defense staff colleges

#### **Academic Publications**

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##### *Published*

- Hudecheck, M., Siren, C., Grichnik, D., & Wincent, J. (2020). Monitoring the COVID-19 Crisis from Space. MIT Sloan Management Review
- Hudecheck, M., Siren, C., Grichnik, D., & Wincent, J. (2020). How Companies Can Respond to the Coronavirus. MIT Sloan Management Review
- Hudecheck, M., Maresch, D., & Fink, M. (2023). We Keep an Eye on You! How High-Tech Security Assets Complement Police Forces on Enhancing the Safety of Metropolitan Societies. IEEE Transactions on Engineering Management

##### *In-Press*

- Zachlod, N., Hudecheck, M., Siren, C., & George, G. (2025). Unintended Consequences of Roundtable on Sustainable Palm Oil (RSPO) Certifications in the Malaysian Palm Oil Industry. In-Press at Nature Communications Earth & Environment

##### *Revise and Resubmit*

- Hudecheck, M., Siren, C., Grichnik, D., & George, G. (Working Draft). From Headlines to Valuations: How Media Sentiment Shapes Venture Capital Funding for Entrepreneurial Ventures. Second Round Revise and Resubmit at Journal of Management Studies
- Zachlod, N. & Hudecheck, M. (Working Draft). Strategize or Die: Overcoming Grand Challenges Through Strategic Narratives When Failure isn't an Option. First Round Revise and Resubmit at Strategic Management Journal

##### *Submitted*

- Zachlod, N., Hudecheck, M., Siren, C., & George, G. (2025). Advancing Grand Challenge Research: Satellite Data as a Pragmatic Tool in Organization Studies. Submitted to Organization Studies. Previously in Revise and Resubmit at Organizational Research Methods

### Working Drafts

- Hudecheck, M. (Working Draft). *Informal Entrepreneurship & Adversity in Developing Entrepreneurial Ecosystems*. Presented as *Informal Entrepreneurship, Adversity, and Social Field Theory: A Cross-Cutting Cleavages Perspective* at the 2023 Academy of Management Annual Meeting
- Hudecheck, M. & Sirén, C. (Working Draft). *New Venture CEO Strategic Media Engagement: When Provocation Pays Off*. In late-stage preparation for submission
- Zachlod, N. & Hudecheck, M. (Working Draft). *Entrepreneurship Formalization in Slums: An Urban Architecture Perspective*. In preparation for submission

### Technical Contributions

- Hudecheck, M. (2022). Tiler.jl: A GPU Enabled Julia Library for Quickly Creating TMS Tiled Web Maps for Online and Offline Use. Available on Github at <https://github.com/mhudecheck/tiler.jl>
- Hudecheck, M. (2021). Sentinel.jl: A Library for Processing ESA Sentinel 2 and Sentinel 5 Remote Sensing Data in Julia. Published to Julia REPL in Winter 2021 and available on Github at <https://github.com/mhudecheck/sentinel.jl>
- Hudecheck, M. (2017). Revgeo: Reverse Geocoding with the Photon Geocoder for OpenStreetMaps, Google Maps, and Bing. Published to R CRAN in Spring 2027

### Academic Presentations

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#### Lead or Co-Presenter

- Hudecheck, M. (2025). Nature as Dialectic: Entrepreneurial Venture Embeddedness and the Sustainability Paradox. Accepted to the 2025 Babson College Entrepreneurship Research Conference
- Hudecheck, M. & Siren, C. (2025). When New Venture CEO Provocative Media Engagement Pays Off. Accepted to the 2025 Babson College Entrepreneurship Research Conference
- Zachlod, N. & Hudecheck, M. (2024). Power Relations and Resilience: The Implications of Calls for Justice Among the (Un)Resilient. Academy of Management Annual Meeting
- Zachlod, N., Hudecheck, M., Siren, C., & George, G. (2024). Satellite Data as an Emerging Method for Organizational Research: A Detailed Overview and Use Case. Academy of Management Annual Meeting
- Zachlod, N. & Hudecheck, M. (2024). The Impact of Slum Architecture on Informal Entrepreneurship. Babson College Entrepreneurship Research Conference
- Hudecheck, M. (2023). The Ecology of Informal Entrepreneurship Among the Disadvantaged: A Field Theory Perspective. Academy of Management Annual Meeting
- Hudecheck, M., Siren, C., Grichnik, D., & George, G. (2022). Investigating Entrepreneurial Venture Resource Acquisition through the Lens of Media Dynamics. Academy of Management Annual Meeting
- Zachlod, N., Hudecheck, M., & Siren, C. (2022). Remote Sensing Data in Strategic Management Research and Practice. Strategic Management Society 42nd Annual Conference
- Hudecheck, M. (2022). Special Call on Coronaviruses Research Presentation. Swiss National Science Foundation NRP 78 Second Annual Conference
- Hudecheck, M., Siren, C., Grichnik, D., & George, G. (2021). Adversity and Venture Performance: Is Adverse Media Coverage Really That Bad for Entrepreneurial Ventures? Babson College Entrepreneurship Research Conference. Selected for Best Paper Proceedings and included in *Frontiers of Entrepreneurship Research*
- Hudecheck, M., Siren, C., Grichnik, D., & Wincent, J. (2021). Looking at Entrepreneurship from the Sky: Satellite Data in Entrepreneurship Research. Babson College Entrepreneurship Research Conference
- Hudecheck, M. (2021). Going Beyond the Frontiers of Management Research: Monitoring Changes in Economic and Social Activity with Satellite Remote Sensing Data. Keynote Speaker: KEEN First Annual PhD Colloquium

### Teaching Experience

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- In-Development (est. Spring 2026). Strategy, Entrepreneurship, and the United Nations. Lead for developing planned graduate course in collaboration with the United Nations System Staff College
- 2024 - Current. IC: Grand Challenges and Innovation with the United Nations. Teaching assistant for experiential graduate collaboration course with the United Nations
- 2021 - 2024. IC: Managing Adversity in Crises. Teaching assistant for an applied graduate methods course on organizational innovation in response to adversity and crisis
- 2021 - 2024. RPV: Venturing in Emerging Trends - Entrepreneurship and Innovation in Practice. Teaching assistant for a graduate course on applied entrepreneurship and innovation
- 2019. Methods: Startup Navigator. Teaching assistant for a graduate course on entrepreneurship

### Professional Experience

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University of Zürich – Department of Psychology

Zürich, Switzerland

- Served as technical lead and main programmer for front & back-end development of a reactive, custom-built longitudinal survey experiment platform

**United States Department of Defense****Bagram Air Base, Afghanistan***Senior Operations Officer, S&T Technical Support Element - Afghanistan***Winter 2013 – Fall 2014**

- Deployed to Afghan Theater of Operations in support of Operation Enduring Freedom XV
- Managed diverse staff of operational support officers, reports writers, and native linguists
- Oversaw implementation of stateside translation and report writing capabilities during drawdown to Resolute Support
- Served as Acting Chief, STE-A in late Fall 2014

**United States Department of Defense****Bagram Air Base, Afghanistan***Deputy Chief, COTR, Joint Document and Media Exploitation Center – Afghanistan***Winter 2011 – Summer 2012**

- Deployed to Afghan Theater of Operations in support of Operation Enduring Freedom XIII
- Served as Deputy Chief for JDEC-A from May 2012 to August 2012 and as COTR from January 2012 to May 2012
- Managed staff of deployed military, civilians, and contractors across Afghanistan Theater of Operations
- Instituted review of JDEC-A resource alignments that resulted in cost savings of \$1.29M
- Supervised analysis of exploitation process that standardized workload production levels across detachments

**United States Department of Defense****Washington, DC***Deputy Program Manager, Business Manager***Summer 2009 – Spring 2015**

- Served as Deputy Program Manager for large Information Assurance & Computer Network Defense (IA/CND) funding initiative
- Managed program coordination, acquisition strategy, and functional execution across directorate
- Led development and execution of Fiscal Year (FY) 2010 and 2011 program spend-plans
- Primary contract officer representative for labor contracts supporting IA/CND requirements
- Deployed twice to Afghan Area of Operations (AOR) in various roles
- Received Special Act Award (2x)

**Awards, Fellowships, & Grants**

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- **GFF International Postdoctoral Fellowship.** (2024-Current). University of St. Gallen. Award Amount: 190.9K CHF. Awarded international fellowship to conduct research on the strategy of organizational sustainability transitions.
- **HSG Impact Award.** (2021). Co-recipient of University of St. Gallen 2021 Impact Award for “Staying on Top of the Crisis: Tracking the Economic and Social Impacts of SARS-CoV 2 and Future Disasters to Improve Global Disaster Management Response Efforts”
- **Frontiers of Entrepreneurship Best Paper Proceedings.** (2021). Conference presentation “Adversity and Venture Performance: s Adverse Media Coverage Really That Bad for Entrepreneurial Ventures?” selected for Babson College Entrepreneurship Research Conference Best Paper Proceedings and included in Frontiers of Entrepreneurship Research
- **Starr International Foundation & ETH Zürich Excellence Scholarship Opportunity Program.** (2015-2017). ETH Zürich. Award Amount: 33K CHF. Awarded endowed scholarship for graduate studies at ETH Zürich

**Academic Service**

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*Ad-Hoc Reviewer*

- Business & Society; Technological Forecasting & Social Change; Academy of Management Annual Meeting (2025-2022); Babson College Entrepreneurship Research Conference (2024, 2021)

*Graduate Thesis Support*

- Pauline Moser. Due for submission in 2025
- Ferdinand Limmer. Submitted in Summer 2023
- Richard Alexander Braisch. Submitted in Summer 2021

**Associated Skills**

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- Programming Languages: Julia, R, Python, C, JavaScript
- Spoken Languages: English (Native), German (A2-B1)

## Academic Memberships

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- Academy of Management, Strategic Management Society

## Academic References

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**Prof. Dr. Charlotta Sirén**

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Director of the Institute of  
Responsible Innovation  
University of St. Gallen  
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