

# CHRISTINA STROBEL

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Citizenship: German

## EDUCATION

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- Autumn 2017 Visiting Assistant Researcher  
Yale University, United States of America  
*Host: Prof. Jason Dana*
- Since 2015 Doctoral Candidate in Economics  
Friedrich-Schiller-University Jena, Germany  
*Thesis Title: Accountability and Appraisal of Artificial Intelligence – Four Experimental Studies*  
*Main advisers: Prof. Dr. Oliver Kirchamp, Prof. Dr. Christoph Engel*
- 2012 - 2015 Master of Science in Management and Technology  
Technical University of Munich, Germany  
*Main Subject: Finance and Accounting, Mechanical Engineering*
- Autumn 2011 Visiting Exchange Student  
Dongbei University of Finance and Economics Dalian, People's Republic of China
- 2010 - 2012 Bachelor of Science in Business Administration and Economics  
Johannes Gutenberg-University Mainz, Germany  
*Main Subject: Finance and Accounting*
- 2008 - 2010 Studies in Political Science  
Johannes Gutenberg-University Mainz, Germany  
*Minor Subjects: Business Administration and Economics*

## WORK EXPERIENCE

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- Since 2015 Doctoral Research Fellow  
International Max Planck Research School on Adapting Behavior in a Fundamentally Uncertain World (IMPRS Uncertainty)  
Friedrich-Schiller-University Jena, Germany
- 2014 - 2015 Student Employee in Strategic Purchase and Procurement Controlling  
Knorr-Bremse Systeme für Schienenfahrzeuge GmbH, Germany
- 2013 - 2014 Student Research Assistant at the Chair of Corporate Management Prof. Mohnen  
Technical University of Munich, Germany
- Spring 2012 Intern in Corporate Finance Consulting  
FAS AG, Germany
- 2010 - 2012 Deputy Chairman of the Board of Management  
berater e.V., Germany
- 2005 - 2011 Student Employee (family owned business)  
Metalltechnik Strobel e.K., Germany

## SCHOLARSHIPS, AWARDS, CERTIFICATES

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**3 Year Full Grant Dissertation Scholarship** - International Max Planck Research School on Adapting Behavior in a Fundamentally Uncertain World (IMPRS Uncertainty)

**Pro Chance Scholarship Travel Grant** - Friedrich-Schiller-University Jena

**Award for outstanding commitment** - Prof. Velthuis, Chair of Management, Johannes Gutenberg University Mainz

## RESEARCH INTERESTS

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Fields	Behavioral and Experimental Economics, Labor Economics
Topics	Human-Computer Interactions, Automation and Algorithms, Deciding for Others, Performance and Appraisal Systems, Contests

## PUBLICATIONS

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**Kirchkamp, O., Strobel, C. (2019). Sharing Responsibility with a Machine. *Journal of Behavioral and Experimental Economics*. 80, 25-33.** Job Market Paper

Humans make decisions jointly with others. In doing so, they share responsibility for the outcome with their interaction partners. Today, more and more often the partner in a decision is not another human but, instead, a machine. Here we ask whether the type of the partner, machine or human, affects our responsibility, our perception of the choice and the choice itself. As a workhorse, we use a modified dictator game with two joint decision makers: either two humans or one human and one machine. We find no treatment effect on perceived responsibility or guilt. We also find only a small and insignificant effect on actual choices.

**Presented at:** Annual Meeting Verein für Socialpolitik 2017, Annual Congress of the European Economic Association 2017, 2nd Collier Conference on Behavioral Economics 2017, Prague Conference on Behavioral Sciences 2017

## RESEARCH PROJECTS

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**Risk Taking under Accountability for Oneself and Others: A Laboratory Experiment**  
with Jason Dana (Yale University)

We examine whether decisions made under accountability differ for self and others using lottery choice tasks that contain only positive amounts (gaining lottery), positive and negative amounts (mixed lottery) and mainly negative amounts (losing lottery). Accountability is ensured through letting participants hold up a sign with their seat number and their decision after the experiment. Perhaps surprisingly, we found that participants are significantly less risk averse for others than themselves in the gaining lottery, and slightly less risk averse for others in the mixed lottery. In the losing lottery, participants are equally risk averse for themselves as for others.

**Presented at:** Decision Making for Others 2018, Economic Science Association World Meeting 2018

**What Drives People Crazy about Self-Driving Cars and What They Think Others Should Do: A Survey Approach**

*with Jason Dana (Yale University)*

The objective of this explorative survey is to examine the acceptance of different automated systems used in partly and fully autonomous cars as well as whether there is a difference between the level of acceptance for someone's own use or the desired usage by others. The survey reports answers from 199 respondents to an online questionnaire run on Amazon Mechanical Turk (MTurk). The majority of respondents express a high or very high acceptance rate for partly automated systems, however, when it comes to full automation the acceptance rate drops significantly. Moreover, the acceptance rate for roughly half of the systems does not differ significantly for own usage and the desired usage by others.

**Presented at:** 11th IMPRS Uncertainty Thesis Workshop

**The Hidden Costs of Automation**

Automated processes take over more and more tasks from humans. This is also the case in Performance-Related Pay (PRP) systems. The objective of this paper is to examine if performance is influenced by the usage of an automated PRP system and whether it matters if an authority, i.e. the company, or the

line manager decides to use the automated performance appraisal system. I analyze the consequences of an automated PRP compared to a manual PRP system on performance in an experimental principal agent game, where the principal can either choose an appraisal system or the appraisal system is selected by a random mechanism. The experiment yielded responses from 480 persons using Amazon Mechanical Turk (AMT).

**Presented at:** 12th IMPRS Uncertainty Topics Workshop

**The Contest Winner: Gifted or Venturesome? A Real Effort Experiment in the Lab**  
with Marco Sahn (Otto-Friedrich-University of Bamberg), Christoph March

**Acceptance and Data Sharing Topics in the eHealth and mHealth Sector**  
*with Matthias Uhl (Technical University of Munich)*

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## REFEREEING SERVICES

Journal of Economic Psychology, Decision Analysis

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## SKILLS

Programming Languages	Advanced: Python, HTML, MySQL; Basic: PHP, SQL, Java
Software & Tools	Advanced: LaTeX, Excel, Office, PowerPoint; Basic: SharePoint, SAP
Languages	German (native), English (fluent), Spanish (intermediate)

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## EXTRA-CURRICULAR INTERESTS

**Automation & New Technologies** - Participation in the FutureMobility Summit 2018 and the international conference on Digitization and Business Ethics 2018

**Consulting & Association Work** - Certified Junior Consultant by the German Student Consultancies Association JcNetwork e.V., Deputy Chairman of the Student Consultancy Berater e.V.

**Discussing & Debating** - Participated in the North-East German Debating Championship 2018 and the German Debating Championship 2017, enthusiastic podcast listener and documentary viewer

**Sport & Fitness** - Running, StrongFit and Yoga on a weekly basis, Cycling, Kite Surfing, Skiing, Snowboarding

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## REFERENCES

### **Oliver Kirchkamp**

Professor for Empirical and Experimental Economics  
Department of Economics  
Friedrich-Schiller-University Jena  
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07743 Jena, Germany  
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### **Christoph Engel**

Director  
Max Planck Institute for Research  
on Collective Goods  
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53113 Bonn, Germany  
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### **Jason Dana**

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