

# Dissertationen

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## Referent Prof. Dr. Elgar Fleisch

### 2005

- Titel: Management hybrid vertikaler Integration  
Autor: Stephan Billinger  
Korreferent: Prof. Dr. Günther Schuh  
HSG-Nr. 3045
- Titel: Operative Exzellenz in der Pharmazeutischen Industrie - Ein Referenzmodell  
Autor: Michael Kickuth  
Korreferent: Prof. Dr. Günther Schuh  
HSG-Nr. 3089
- Titel: RFID im Supply Chain Management - Auswirkungen und Handlungsempfehlungen am Beispiel der Automobilindustrie  
Autor: Martin Strassner  
Korreferent: PD Dr. Frank Straube  
HSG-Nr. 3112

### 2006

- Titel: The impact of Auto-ID technology on process performance - RFID in the FMCG supply chain  
Autor: Christian Tellkamp  
Korreferent: Prof. Dr. Günther Schuh  
HSG-Nr. 3182
- Titel: Internationales Management industrieller Dienstleistungen  
Autor: Bernold Beckenbauer  
Korreferent: Prof. Dr. Oliver Gassmann  
HSG-Nr. 3153
- Titel: Eine Informationssystem-Architektur für RFID-gestützte logistische Geschäftsprozesse - Fallbeispiele, Konzepte, Handlungsempfehlungen  
Autor: Sandra Gross  
Korreferent: Prof. Dr. Walter Brenner  
HSG-Nr. 3215
- Titel: Strategisches Dienstleistungsmanagement in produzierenden Unternehmen  
Autor: Katharina Hildenbrand  
Korreferent: Prof. Dr. Günther Schuh  
HSG-Nr. 3218

## 2007

- Titel: Counterfeit Trade - Economics and Countermeasures  
Autor: Thorsten Robert Staake  
Korreferent: Prof. Dr. Friedemann Mattern  
HSG-Nr. 3362

## 2008

- Titel: Erfolgsfaktoren der Dienstleistungsentwicklung in produktorientierten Unternehmen  
Autor: Regine Schroeder (Krempf)  
Korreferent: Prof. Dr. Thomas Friedli  
HSG-Nr. 3428
- Titel: IT-Produktengineering - Entwicklung von inkrementellen und innovativen IT-Produkten  
Autor: Carlos Bravo-Sanchez  
Korreferent: Prof. Dr. Walter Brenner  
HSG-Nr. 3444
- Titel: High Fidelity Shelf Stock Monitoring - A Framework for Retail Replenishment Optimization  
Autor: Christian Peter Metzger  
Korreferent: Prof. Dr. Wolfgang Stölzle  
Korreferent: Dr. Stanley Gershwin (MIT)  
ETH-Nr. 17672
- Titel: Adoption und Diffusion neuer Technologien am Beispiel der Radiofrequenz-Identifikation (RFID)  
Autor: Patrick Schmitt  
Korreferent: Prof. Dr. Roman Boutellier  
ETH-Nr. 18064

## 2009

- Titel: An Analysis of Factors influencing Decentralization in the Context of RFID Systems in Manufacturing  
Autor: Chris Kürschner  
Korreferent: Prof. Dr. Thomas Friedli  
HSG-Nr. 3635
- Titel: The Economics of Contactless Payment - An analysis of the Financial Impact of Near Field Communication on Stationary Retailers  
Autor: Thomas Jean Pierre Wiechert  
Korreferent: Prof. Dr. Walter Brenner  
HSG-Nr. 3666
- Titel: Servicestrukturen für die Industrie - Auf- und Ausbau internationaler Serviceorganisationen  
Autor: Felix Pütz  
Korreferent: Prof. Dr. Thomas Friedli  
HSG-Nr. 3647

- Titel: How to Secure Supply Chains Against Counterfeit Products Using Low-Cost RFID  
Autor: Mikko Olavi Lehtonen  
Korreferent: Prof. Dr. Friedemann Mattern  
ETH-Nr. 18762

## 2010

- Titel: The value of sensor information for managing perishable goods  
Autor: Alexander Ilic  
Korreferent: Prof. Dr. Stephan Wagner  
ETH-Nr. 18916
- Titel: Product Reviews via Mobile Phone - Prototyping, Interaction, Market  
Autor: Felix Graf von Reischach  
Korreferent: Prof. Dr. Albrecht Schmidt  
ETH-Nr. 19008
- Titel: Understanding the value of RFID technology in department stores: An empirical investigation  
Autor: Jasser Al-Kassab  
Korreferent: Prof. Dr. Thomas Rudolph  
HSG-Nr. 3756
- Titel: A service perspective on value creation strategies  
Autor: Thomas Fischer  
Korreferent: Prof. Dr. Pius Baschera  
HSG-Nr. 3806

## 2011

- Titel: Mobile Claims Management: IT-Based Innovation in Motor Insurance  
Autor: Oliver Baecker  
Korreferent: Prof. Dr. Walter Ackermann  
HSG-Nr. 3809
- Titel: Telematics Technology in Motor Insurance: Strategic Implications and its Operational Value in Understanding the Accident Impact on Vehicle Use  
Autor: Tobias Ippisch  
Korreferent: Prof. Dr. Walter Ackermann  
HSG-Nr. 3829
- Titel: On the Impact of Visibility in Supply Chain Management  
Autor: Cosmin Sebastian Condea  
Korreferent: Prof. Dr. Frédéric Thiesse  
HSG-Nr. 3881
- Titel: Environmental Improvement across the Chain: Incorporating Lifecycle Indicators into Purchasing  
Autor: Ali Dada  
Korreferent: Prof. Dr. Rolf Wüstenhagen  
HSG-Nr. 3882

- Titel: Mining the Internet of Things: Detection of False-Positive RFID Tag Reads using Low-Level Reader Data  
 Autor: Thorben Keller  
 Korreferent: Prof. Dr. Frédéric Thiesse  
 HSG-Nr. 3908
- Titel: Managing MEMS/NEMS technology development teams in the early phases of the innovation process  
 Autor: Norbert Burger  
 Korreferent: Prof. Dr. Christofer Hierold  
 ETH-Nr. 19514
- Titel: Mobile customer relationship management - impact on the insurance industry  
 Autor: Stephan von Watzdorf  
 Korreferent: Prof. Dr. Walter Ackermann  
 ETH-Nr. 19836
- Titel: Applications and Implications of User-Generated Content in Retail – Consumer Participation in Social Networks, Crowdsourcing and Pervasive In-Store Advertisements  
 Autor: Erica Dubach Spiegler  
 Korreferent: Prof. Dr. Roman Boutellier  
 Korreferent: Dr. Florian Michahelles  
 ETH-Nr. 19876

## 2012

- Titel: Empirical Investigations on User Perception and the Effectiveness of Persuasive Technologies  
 Autor: Peter Mayer  
 Korreferent: Prof. Dr. Frédéric Thiesse  
 HSG-Nr. 4028
- Titel: Smart Metering for Behavioral Change: The Effects on Goal Setting and Feedback Interventions on Domestic Energy Consumption  
 Autor: Claire-Michelle Loock  
 Korreferent: Prof. Dr. Andreas Herrmann  
 Korreferent: Dr. Thorsten Staake  
 ETH-Nr. 20652
- Titel: Evaluation Framework for Social Media Brand Presence  
 Autor: Irena Pletikosa  
 Korreferent: Prof. Dr. Katarina Stanoevska-Slaveba  
 Korreferent: Dr. Florian Michahelles  
 ETH-Nr. 20854

- Titel: Consumption Feedback for Behavioral Change: Improving Residential Energy Efficiency through Online Platforms  
 Autor: Tobias Graml  
 Korreferent: Prof. Dr. Rolf Wüstenhagen  
 Korreferent: Dr. Thorsten Staake  
 ETH-Nr. 20888
  
- Titel: Mobile Barcode Scanning Applications for Consumers - Application development and the quality of product master data  
 Autor: Stephan Karpischek  
 Korreferent: Prof. Dr. Sanjay Sarma  
 Korreferent: Dr. Florian Michahelles  
 ETH-Nr. 20792

## 2013

- Titel: Empfehlungen für die Ausgestaltung eines Präventionskonzepts in der Transportversicherung: Untersuchung von Transportschäden, Präventionsmaßnahmen und der Präventionsaffinität von Versicherungsnehmern  
 Autor: Alexander Skorna  
 Korreferent: Prof. Dr. Stephan Wagner  
 HSG-Nr. 4183
  
- Titel: On the Determination of Accident Risk Exposure from Vehicular Sensor Data Methodological Advancements and Business Implications for Automobile Insurance Providers  
 Autor: Johannes Franz Paefgen  
 Korreferent: Prof. Dr. Frédéric Thiesse  
 Korreferent: Prof. Dr. Thorsten Staake  
 HSG-Nr. 4170
  
- Titel: Motivating Energy-Efficient Behavior with Information Systems: Understanding the impact of Personalization and Rewards on User Behavior  
 Autor: Michael Baeriswyl  
 Korreferent: Prof. Dr. Frédéric Thiesse  
 Korreferent: Prof. Dr. Thorsten Staake  
 ETH-Nr. 21143
  
- Titel: Combining ICT with Eco-driving Concepts to Improve Corporate Car Drivers' Fuel Efficiency  
 Autor: Johannes Tulusan  
 Korreferent: Prof. Dr. Rolf Wüstenhagen  
 Korreferent: Prof. Dr. Thorsten Staake  
 HSG-Nr. 4246

## 2014

- Titel: Behavioral Interventions to Reduce Residential Energy and Water Consumption: Impact, Mechanisms, and Side Effects  
Autor: Verena Tiefenbeck  
Korreferent: Prof. Dr. Lorenz Goette  
Korreferent: Prof. Dr. Thorsten Staake  
ETH-Nr. 22054
- Titel: The Impact of the Internet of Things on Business Model Innovation – Insights from the Electric Bicycle Industry  
Autor: Kristina Andrea Flüchter  
Korreferent: Prof. Dr. Oliver Gassmann  
ETH-Nr. 22370

## 2015

- Titel: Towards High-Resolution Multi-Channel Marketing for Physical Stores  
Autor: Edward Ho  
Korreferent: Prof. Dr. Thomas Rudolph  
HSG-Nr. 22379
- Titel: Real-Time Feedback Interventions to Reduce Energy and Water Consumption: A Long-term Perspective“  
Autor: Vojkan Tasic  
Korreferent: Prof. Dr. Thorsten Staake  
ETH-Nr. 22586
- Titel: Towards Understanding the behavioral Mechanics of Crowdsourcing – Insights from a Mobile Travel Risk Application  
Autor: Kay Noyen  
Korreferent: Prof. Dr. Roman Boutellier  
ETH-Nr. 22661
- Titel: Extending Pharmacist-Patient Communication with ICT  
Autor: Dirk Volland  
Korreferent: Prof. Dr. Johannes Rüegg-Stürm  
HSG-Nr. 4429

## 2016

- Titel: Feeling and Thinking: On the Role of Intuitive Processes in Shaping Decisions about Privacy  
Autor: Flavius Kehr  
Korreferent: Prof. Dr. Daniel Wentzel  
HSG-Nr. 4470
- Titel: Design, Implementation and Evaluation of a Feedback Information System to Promote Sustainable Indoor Air Quality Control  
Autor: Paul Rigger  
Korreferent: Prof. Dr. Jan vom Brocke  
HSG-Nr. 4555

- Titel: Emotions in Ubiquitous Information Systems: An Empirical Investigation of Electrodermal Activity and Its Relation to Service Breakdowns, Perceived Ease of Use, and Task Performance  
 Autor: Tobias Kowatsch  
 Korreferent: Prof. Dr. Wolfgang Maass  
 HSG-Nr. 4530
- Titel: Customer Engagement for Utilities: Information Systems to Curb Residential Energy Consumption  
 Autor: Felix Lossin  
 Korreferent: Dr. Renate Schubert,  
 Korreferent: Prof. Dr. Thorsten Staake  
 ETH-Nr. 23715
- Titel: Leveraging Mobile and Internet of Things Technologies to Enhance Products with Digital Services  
 Autor: Runhua Xu  
 Korreferent: Prof. Dr. Duncan McFarlane,  
 Korreferent: Prof. Dr. Alexander Ilic  
 ETH-Nr. 23821

## 2017

- Titel: Design, Implementation and Evaluation of a Smart Heating Solution to Foster Energy Savings and Improve Comfort  
 Autor: Thomas von Bomhard  
 Korreferent: Prof. Dr. Katarina Stanoevska-Slabeva  
 HSG-Nr. 4633
- Titel: The Impact of Cryptocurrencies On The Internet Of Things – Insights From Prototypes  
 Autor: Dominic Wörner  
 Korreferent: Prof. Dr. Frédéric Thiesse  
 Korreferent: Prof. Dr. Felix Wortmann  
 ETH-Nr. 24257
- Titel: Mobile Mental Health Information System for People with Depression  
 Autor: Fabian Felix Wahle  
 Korreferent: Prof. Dr. Petra Schmid  
 Korreferent: Dr. Tobias Kowatsch  
 ETH-Nr. 24528

## 2018

- Titel: Exploring the Value of Data-Rich Multichannel Environments for Analytical CRM in the Insurance Sector  
 Autor: Stefan Mau  
 Korreferent: Prof. Dr. Joel Wagner  
 ETH-Nr. 24955
- Titel: Mass Personalization through Mobile App Adoption Analytics  
 Autor: Remo Frey  
 Korreferent: Prof. Dr. Friedemann Mattern, D-INFK  
 Korreferent: Dr. Alexander Ilic, Director Auto ID Labs HSG / ETH  
 ETH-Nr. 24995

- Titel: The Impact of Abstract vs. Concrete Feedback Information on Eco-Driving  
 Autor: André Dahlinger  
 Korreferent: Prof. Dr. Gerald Häubl  
 HSG-Nr. 4759
- Titel: Revenue Growth Prediction for Small and Medium-Sized Enterprises: A Data Mining Approach for the Insurance Industry  
 Autor: Daniel Müller  
 Korreferent: Prof. Dr. Florian von Wangenheim  
 ETH-Nr. 25244
- Titel: Towards Monitoring and Building Customer Share of Wallet in Physical Retail with In-store and Mobile Information Systems  
 Autor: Denis Vučkovic  
 Korreferent: Prof. Dr. Martin Natter, UZH  
 Korreferent: Dr. Alexander Ilic, Director Auto ID Labs HSG / ETH  
 ETH-Nr. 25376
- Titel: Improving Driver Safety through the Identification, Prediction, and Warning of Traffic Accident Hotspots  
 Autor: Benjamin William Ryder  
 Korreferent: Prof. Dr. Andreas Herrmann, ICI-HSG  
 ETH-Nr. 25382
- Titel: Predicting the Financial Growth of Small and Medium-Sized Enterprises Using Web Mining  
 Autor: Yiea Funk Te  
 Korreferent: Prof. Dr. Florian von Wangenheim, D-MTEC  
 ETH-Nr. 25358

## 2019

- Titel: Assessment of the consumer-prosumer transition and peer-to-peer energy networks  
 Autor: Sandro Schopfer  
 Korreferent: Prof. Dr. Volker Hoffmann  
 Korreferent: Dr. Verena Tiefenbeck  
 ETH-Nr. 25660
- Titel: A Data Science Approach to Spatio-Temporal Crime Modeling: Data, Models, and Applications  
 Autor: Cristina Kadar  
 Korreferent: Prof. Dr. Stefan Feuerriegel  
 ETH-Nr. 25961
- Titel: The impact of IoT on specific business model elements – Insights from multibusiness manufacturing companies  
 Autor: Dominik Arnold Bilgeri  
 Korreferent: Prof. Dr. Oliver Gassmann  
 Korreferent: Prof. Dr. Felix Wortmann  
 ETH-Nr. 26032



- Titel: Information System to Empower Individuals in Realizing the Energy Transition: Design, Engagement, and Impact  
Autor: Liliane Ines Ableitner  
Korreferent: Prof. Dr. Alexander Mädche  
Korreferent: Dr. Verena Tiefenbeck  
ETH-Nr. 26206
- Titel: Toward Improving Consumer Financial Decision-Making through Mobile Information Systems  
Autor: Johannes Georg Christian Hübner  
Korreferent: Dr. Alexander Ilic  
Korreferent: Prof. Dr. Verena Tiefenbeck  
ETH-Nr. 26467

## 2020

- Titel: Towards the Personalized Car – Investigating Driver Identification using CAN Bus Data  
Autor: Bernhard Gahr  
Korreferent: Prof. Dr. Andreas Herrmann  
HSG-Nr. 4947
- Titel: Design, Implementation, and Evaluation of a Blockchain-based Microgrid Platform - Enabling Local Peer-to-Peer Energy Markets  
Autor: Arne Meeuw  
Korreferent: Prof. Dr. Rolf Wüstenhagen  
HSG-Nr. 4957
- Titel: Public Health Impact of Scalable Physical Activity Interventions: Insights from Two Field Studies in Switzerland  
Autor: Jan-Niklas Kramer  
Korreferent: Prof. Dr. Urte Scholz  
HSG-Nr. 4997
- Titel: Enabling Digital Medicine for Asthma – Clinical Utility of Nocturnal Cough and Sleep Quality as Digital Biomarkers  
Autor: Peter Tinschert  
Korreferent: Prof. Dr. Dr. Martin Brutsche  
HSG-Nr. 5026
- Titel: Smartphone-Based Acoustic Breathing Patterns Detection for a Biofeedback Guided Breathing Training  
Autor: Chen-Hsuan Iris Shih  
Korreferent: Prof. Dr. med. Dagmar l'Allemand  
Korreferent: Ass. Prof. Dr. Tobias Kowatsch  
ETH-Nr. 26711
- Titel: Enabling A Digital Biomarker for Asthma - Smartphone Contact-Free Audio-Based Nocturnal Cough Monitoring  
Autor: Vitor Filipe Da Conceição Barata  
Korreferent: Prof. Dr. David Frederick Kotz,  
Korreferent: Prof. Dr. Tobias Kowatsch  
ETH-Nr. 26884

- Titel: Towards the Economy of Things: Insights from the Convergence of Blockchain Technology and the Internet of Things

Autor: Mathieu Chanson

Korreferent: Prof. Dr. Frédéric Thiesse

Korreferent: Prof. Dr. Felix Wortmann

ETH-Nr. 26910
  
- Titel: Fostering Sustainability Using Information Technology: Real-Time Feedback, Incentives, and Smart Markets

Autor: Anselma Meret Wörner

Korreferent: Prof. Dr. Wolfgang Ketter

Korreferent: Prof. Dr. Verena Tiefenbeck

ETH-Nr.
  
- Titel: Empowering Diet-related Health Behavior Change Interventions via Digital Receipts & Food Composition Databases

Autor: Klaus Fuchs

Korreferent: Prof. Dr. Frédéric Thiesse

Korreferent: Prof. Dr. Felix Wortmann

ETH-Nr. 26804
  
- Titel: Are you Receptive? Assessing and Predicting States of Receptivity for Physical Activity Interventions

Autor: Florian Andreas Künzler

Korreferent: Prof. Dr. David Frederick Kotz,

Korreferent: Ass.-Prof. Dr. Tobias Kowatsch

ETH-Nr.
  
- Titel: Exploring Theory-Informed, Data-Driven Simulations for Predicting Crime

Autor: Raquel Rosés

Korreferent: Prof. Dr. Nick Malleson

Korreferent: Prof. Dr. Verena Tiefenbeck

ETH-Nr.