

Sören Preibusch, Ph.D.

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Professional Profile. User experience researcher and manager at Google on advertising products (AdWords, DoubleClick) driving product excellence, simplicity, and revenues through quantitative research. Prior career at Microsoft Research and University of Cambridge. Internationally recognised privacy scholar with more than a decade of experience. Multiple invited talks, including NIST (US Department of Commerce), the IWGDPT (Data protection enforcement authorities) and ENISA (European Commission). Track record in privacy research, fluent on empirical methods to quantify consumers' privacy concerns, behaviours, and the competitive advantage of privacy.

Career Track

- since 07/2016 Senior UX Researcher and Manager at Google, Mountain View, CA
- Leading team of quantitative researchers on AdWords and DoubleClick across locations
 - Grew team 3x to provide tactical and strategic research guidance up to VP level in Product Management, Engineering, Sales, and Design, including: AdWords frontend relaunch, revenue growth initiative, product excellence, and multiple product launches
- 01/2015 – 07/2016 Quantitative User Experience Researcher at Google, Mountain View, CA
- Providing tactical and foundational insights into AdWords for the Google Display Network
 - Working with senior PM, Engineering, Sales, and fellow researchers to understand advertisers' usage of multibillion-dollar product, and to drive product excellence
 - On the consumer side, working across product areas on user trust and privacy issues
- 10/2014 – 01/2015 US visa application petition (O-1 visa), granted for my "extraordinary ability and achievement in the Sciences", especially Computer Science, online privacy
- 10/2012 – 10/2014 Postdoctoral researcher at Microsoft Research, Cambridge, UK
- Privacy lead for MSR Cambridge (since 10/2013): worked with Legal, IT, and central privacy management to conduct formal privacy reviews for releases. Provided guidance on research, privacy advice to 100+ researchers, training, and outreach (Data Privacy Day).
 - Worked with Trustworthy Computing, Legal and Marketing to pioneer effectiveness measures for proactive privacy messaging in UK tele-sales
 - Worked with EU policy team in Brussels to scope next phase of the Microsoft Cloud Computing Research Centre (MCCRC)
 - Set up new director-level collaboration between MSR and Xbox Marketing
 - Supervisor and direct manager for three PhD-level interns

Education and Training

- 10/2008 – 09/2012 Ph.D. in Computer Science, University of Cambridge. Dissertation:
- Privacy choices online: preferences, incentives and enforcement
- 10/2001 – 09/2008 Diploma in Industrial Engineering (Dipl.-Ing.), Technical University Berlin (A* with distinction / 1.1; the best of 220 graduates in the academic year). Theses:
- Economic Aspects of Privacy Negotiations. School of Economics and Management, 2008 (A* / 1.0)
 - Verifying Industrial Software by Translating Object-Z to SMV. School of Electrical Engineering and Computer Sciences, 2008 (A* / 1.0)
- Industrial Engineering is an engineering degree augmented with economics, business and marketing, and law.
- 07/2001 Abitur (A* / 1.0), Baccalauréat Général (A* / très bien), Lycée Français de Berlin
All classes taught in French from year 8 onwards

Academic Profile. In the tradition of behavioural economics, I design and deploy large-scale lab experiments ($N=300$ to 500), field studies and log analyses to quantitatively describe consumers' privacy concerns and behaviours. I observe supply and demand-side privacy choices in major Web activities (search, shopping, social) to measure the value of privacy and of privacy-enhancing features, and how businesses compete on privacy. I study measurement techniques for privacy concerns and use statistical methods to assess their diversity, temporal evolution and variation across countries. Through the methodological and material results of my research, I advance the state of the art and provide business intelligence to engineering teams, legal and marketing. 1200+ citations on Google Scholar.

Selected Journal Publications in Privacy Economics and Technology

- Berendt, [Preibusch](#). Toward Accountable Discrimination-Aware Data Mining, in: *Big Data*, vol. 5(2), 135–152, 2017
- [Preibusch](#), Peetz, Acar, Berendt. Shopping for privacy: Purchase details leaked to PayPal, in: *Electronic Commerce Research and Applications*, vol. 15, pp. 52–64, 2016
- [Preibusch](#). The Value of Web Search Privacy, in: *IEEE Security & Privacy*, vol. 13(5), pp. 24–32, 2015
- Krol, [Preibusch](#). Effortless Privacy Negotiations, in: *IEEE Security & Privacy*, vol. 13(3), pp. 88–91, 2015
- [Preibusch](#). The brief impact of exposed state surveillance on privacy attitudes and behaviour. in: *Communications of the ACM*, vol. 58(5), pp. 48-55, 2015
- Berendt, [Preibusch](#). Better decision support through exploratory discrimination-aware data mining: foundations and empirical evidence. in: *Artificial Intelligence and Law*, vol. 22(2), pp. 175-209, Springer, 2014
- [Preibusch](#). Guide to measuring privacy concern: Review of survey and observational instruments. in: *International Journal of Human-Computer Studies*, vol. 71(12), pp. 1133-1143, Elsevier, 2013
- [Preibusch](#), Kübler, Beresford. Price versus privacy: an experiment into the competitive advantage of collecting less personal information. in: *Electronic Commerce Research*, vol. 13(4), pp. 423-455, Springer, 2013
- [Preibusch](#). Big Data, Small Money, No Privacy? Was bekommt der Verbraucher für seine persönlichen Daten und wie viel ist Datenschutz wert? in: *digma, Zeitschrift für Datenrecht und Informationssicherheit*, vol. 13(1), pp. 18-21, Schulthess, 2013
- Beresford, Kübler, [Preibusch](#). Unwillingness to Pay for Privacy: A Field Experiment. in: *Economics Letters*, vol. 117(1), pp. 25-27, Elsevier, 2012
- Berendt, [Preibusch](#), Teltzrow. A privacy-protecting business analytics service for online transactions. in: *Intl. Journal of Electronic Commerce*, vol. 12(3), pp. 115-150, M.E. Sharpe, 2008

Selected Conference Publications in Privacy Economics and Technology

- Such, Porter, [Preibusch](#), Joinson. Photo Privacy Conflicts in Social Media: A Large-scale Empirical Study. Conference on Human Factors in Computing Systems (CHI), Denver, Colorado / USA, 2017
- Krol, [Preibusch](#). Control versus Effort in Privacy Warnings for Webforms. Workshop on Privacy in the Electronic Society (WPES), Vienna / Austria, 2016
- [Preibusch](#), Peetz, Acar, Berendt. Purchase details leaked to PayPal. 19th Intl. Conf. on Financial Cryptography (FC), Puerto Rico / USA, 2015
- Liebling, [Preibusch](#). Privacy Considerations for a Pervasive Eye Tracking World. 4th Intl. Workshop on Pervasive Eye Tracking and Mobile Eye-Based Interaction, at UbiComp, Seattle / USA, 2014
- [Preibusch](#). Managing diversity in privacy preferences: How to construct a privacy typology. Symposium On Usable Privacy and Security Workshops (SOUPS), Menlo Park / USA, 2014
- Malheiros, [Preibusch](#). Sign-Up or Give-Up: Exploring User Drop-Out in Web Service Registration. Symposium On Usable Privacy and Security Workshops (SOUPS), Newcastle / UK, 2013
- Malheiros, [Preibusch](#), Sasse. “Fairly truthful”: The impact of perceived effort, fairness, relevance, and sensitivity on personal data disclosure. 6th Intl. Conference on Trust & Trustworthy Computing (TRUST), London / UK, 2013
- [Preibusch](#), Krol, Beresford. The privacy economics of voluntary over-disclosure on Web forms. 11th Workshop on the Economics of Information Security (WEIS), Berlin / Germany, 2012

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- Bonneau, Preibusch, Anderson. A birthday present every eleven wallets? The security of customer-chosen banking PINs. 16th Intl. Conf. on Financial Cryptography (FC), Kralendijk / Netherlands, 2012
- Preibusch, Bonneau. The privacy landscape: product differentiation on data collection. 10th Workshop on the Economics of Information Security (WEIS), Fairfax / USA, 2011
- Preibusch. Information flow control for static enforcement of user-defined privacy policies. IEEE Intl. Symposium on Policies for Distributed Systems and Networks (POLICY), Pisa / Italy, 2011
- Preibusch, Bonneau. The Password Game: Negative Externalities from Weak Password Practices. 1st Intl. Conf. on Decision and Game Theory for Security (GameSec), Berlin / Germany, 2010
- Bonneau, Preibusch. The password thicket: technical and market failures in human authentication on the web. 9th Workshop on the Economics of Information Security (WEIS), Harvard / USA, 2010
- Bonneau, Preibusch. The Privacy Jungle: On the Market for Data Protection in Social Networks. 8th Workshop on the Economics of Information Security (WEIS), London / UK, 2009
- Preibusch, Hoser, Gürses, Berendt. Ubiquitous social networks – opportunities and challenges for privacy-aware user modelling. Ubiquitous Knowledge Discovery for User Modeling (K-DUUM), Corfu / Greece, 2007

Selected Talks at Professional and Policy Conferences

- Preibusch, on 'The Right Privacy Controls for Social Search' at Dagstuhl Seminar 13312 on 'My Life, Shared - Trust and Privacy in the Age of Ubiquitous Experience Sharing', 2013
- Preibusch, on the 'Propertisation of personal data' panel discussion at For Your Eyes Only: Privacy, Empowerment and Technology in the Context of Online Social Networks 2012, organised by EMSOC
- Preibusch, on privacy in web search at the 'Expert workshop: Economic Value of Personal Information' at the Amsterdam Privacy Conference 2012, organised by the European Commission's Joint Research Center (JRC) Institute for Prospective Technological Studies (IPTS)
- Preibusch, on the 'Privacy' panel discussion at the Data Days 2012, organised by nugg.ad
- Preibusch, on 'Data Protection in Social Media' at the Annual International Data Protection and Privacy Conference, Privacy Laws and Business, 2011
- Preibusch, on 'Data Protection in Social Networks' at The DataGuidance 5th Annual European Data Protection Intensive, 2011

Academic Service

- Journal Reviewing: Intl. Journal of Electronic Commerce, Journal of Media Economics, European Journal of Information Systems, Journal of Legal Studies, IEEE Security & Privacy, Electronic Markets, Journal of Information Technology, Economics Letters, Intl. Journal of Human-Computer Studies, Nature Human Behaviour, Computers & Security, Transactions on Internet Technology, Social Networks, Field Methods, Journal of Computer Security, Journal of Cybersecurity
- Programme Committees: HCI International, Passwords, EuroUSEC, WEIS
- Conference Reviewing: CHI, Pervasive, PETS, UbiComp ECIS, PST, MUM, WI
- Funding Proposal Reviewing: European Commission, National Science Foundation (NSF), European Research Council (ERC), Google Faculty Research Awards, Microsoft Research PhD scholarships
- Award reviewer for PET Award
- Professional Affiliations and Memberships: ACM (Association for Computing Machinery), W3C (World Wide Web Consortium, invited expert), GI (Gesellschaft für Informatik), DPG (Deutsche Physikalische Gesellschaft, elected), BCS IPEP (The Chartered Institute for IT, Information Privacy Expert Panel), IAPP (International Association of Privacy Professionals)

Academic Representation and Teaching

- University of Cambridge, School of Technology: Re-elected representative for 700+ graduate students. Council of the School (re-elected); Graduate School (appointed); Board of the Faculty of Computer Science and Technology (re-elected) (2010—2012)
- University of Cambridge, small group teaching: Specification and Verification I/II, Economics and Law, Business Studies, Additional Topics (2009—2012)
- Humboldt-Universität zu Berlin, lectures and tutorials: Foundations of Information Systems, Electronic Business, Electronic Business Case Studies (2002—2006)
- Microsoft Research: supervised three PhD-level research interns as direct reports (2013—2014)
- TU Munich / Microsoft Research: joint B.Sc. student thesis supervision (2013—2014)
- Judge Business School / Microsoft Research: joint supervisor for student project in Management of Technology and Innovation (MoTI) on online advertising (2013); lead supervisor for student project in MPhil in Management (MM35) Consulting Project on offline/online cross-channel retailing (2013)
- Cambridge Computer Lab / Microsoft Research: joint supervisor for Ph.D. student (2014)

Scholarships and Awards (since University education)

03/2010 – 08/2012	Scholar of the German National Academic Foundation (doctoral fellow, renewed)
10/2008 – 09/2010	University of Cambridge Computer Laboratory, Wheeler Memorial Bursary
since 10/2008	Cambridge European Trust, Honorary Scholar
10/2008 – 09/2009	Scholar of the German National Academic Foundation (post-graduate scholar)
05/2003 – 03/2008	Scholar of the German National Academic Foundation (undergraduate)
12/2001 – 07/2012	Scholar of the industry-funded online scholarship e-fellows.net (renewed yearly)

Language Skills

German	mother tongue
English	fluent, written and spoken (IELTS, 2008: 8.5 out of 9.0 overall band score)
French	fluent, written and spoken (Baccalauréat Général, 2001; Cambridge University Engineering Department, Language Unit, 'advanced, with distinction', 2011)