

# Do we have a shared understanding of consent?

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CCS Concepts: • **Human-centered computing** → **Human computer interaction (HCI)**.

Additional Key Words and Phrases: consent, data collection consent, consent rationale, privacy

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## 1 Introduction

There is near-universal agreement on the *importance* of consent *and* on the observation that our existing consent processes and mechanisms are not working well [7, 11]. We argue that successfully addressing problems with consent – now and in the age of AI – will be greatly aided by establishing a shared foundation regarding the meaning of the term consent, its purpose, the core challenges or problems, and/or what an ideal consent future would entail. We argue that differences in understanding – or, more importantly, the lack of recognition that there *are* differences in understanding – limits work geared toward improving consent practices. To this end, we outline a research agenda to surface experts’ understandings of consent, conceptualize how these ideas can broaden our approaches to improving consent practices, and evaluate newly-conceptualized approaches in a variety of domains. We share preliminary results from an ongoing interview study, which demonstrate meaningful differences among experts, and we briefly discuss implications of our ongoing and proposed work.

We see our argument as most directly addressing two of the key questions posed by workshop organizers [12]:

- Under which circumstances can the necessity of active privacy decision-making be lifted from a legal, ethical, and human point of view? → *Our preliminary findings suggest that the answer is “it depends.” Some experts perceive the core purpose of consent as autonomy and argue on this basis that it is **always** necessary. Others argue that we could or should reduce active consent decision-making due to problems like consent fatigue and/or because they view consent as a privacy or safety mechanism (i.e., it is less necessary when privacy/safety risks are lower).*
- How could consent and control evolve in a world without AI-driven personalization, where data collection is limited to what is strictly necessary for service functionality? → *In a sense, this question implies that without AI-driven personalization, we would or could have a world where data collection is limited to what is strictly necessary. We argue that these future worlds are not intrinsically linked (e.g., achieving the former is unlikely to lead to the latter). Existing consent practices suffer from systematic problems pertaining to power dynamics and social*

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norms. Existing consent challenges would remain even without AI personalization and/or even if only necessary data were collected. To meaningfully improve consent in any future, we must address the root of the problems.

The authors' position is directly informed by their prior work and expertise:

- **Dr. Camille Cobb** is an assistant professor at University of Illinois. Her research area is usable security and privacy. Her work has addressed user experiences with online dating [5], smart home [3, 4], and more [2, 9]. Dr. Cobb participated in the Future of Human-centered Privacy seminar at Dagstuhl in July 2025, which informs our position [1].
- **Yi-Shyuan Chiang** is a computer science Ph.D candidate at University of Illinois. Yi-Shyuan has a masters in Law which brings in a unique perspective to examining and re-imagining how to design for human-centered regulation [2]. She led multiple research projects on consent in smart homes with Dr. Cobb [3].

## 2 Research Agenda

Our proposed agenda starts with inquiry into what experts believe about consent, including aspects of their views that are consistent or divergent. We will conduct interviews with a variety of experts [8]: CS researchers who design new consent mechanisms, researchers from a verity of fields for whom consent is a core focus, consent activists, and tech-policy experts working in academia and industry. This first study is underway; in interviews, we asked participants their understandings of consent, including definitions, requirements, and barriers. Preliminary qualitative analysis has identified key themes. For example, we found differences in what experts see as the central purpose of consent. We are planning a series of follow-up surveys with these experts designed to determine if experts will move toward a consensus view, or if their perspectives are more fundamentally divergent.

For the next phase in the proposed agenda, we will produce an expanded design space for consent, incorporating our findings, prominent theoretical frameworks for consent, and relevant existing design spaces (e.g., pertaining to consent notices [10] and privacy choices [6]). This design space will help researchers and designers navigate opportunities and challenges related to designing novel consent mechanisms. Finally, we will prototype systems that use particularly compelling and/or novel consent procedures and conduct user studies so that we can compare them and assess their adherence to evaluation criteria.

## 3 Preliminary Findings

One key consistency among experts in our ongoing interview study was an acknowledgment that existing consent practices are broken.

**Experts' views on why consent is important varied: autonomy (P7, P9), respect to people (P5), or safety & protection (P10).** The view that consent is needed to honor people's autonomy suggests that alternative solutions or lifting of consent expectations would be unacceptable, because the opportunity to practice autonomy via the consent decision is the core goal of consent. On the other hand, if one views the purpose of obtaining consent to be providing a mechanism through which users can protect their own safety or privacy, then alternative ways of protecting users could be adequate (or even preferable) replacements for consent procedures.

**Experts were not unified on requirements of ideal consent.** Most experts tended to agree that consent should be *informed*, but there was less consensus about the importance of consent being *enthusiastic*. "What does it mean for it to be *enthusiastic*?" asked P7. P4, on the other hand argued that, "Oh, no, no! I think *enthusiastic* is the right word. I think that they [data collectors] should have to make a *compelling case* [for data collection]." We also found inconsistencies in operationalizable definitions of common consent requirement terminology. For example, P4 and P8 disagreed on the revertability of data collection consent. For P4, revertability "means not just can I now reverse my consent going forward,

105 *but I can then delete the data that you collected about me so far.”* However, P8 believed it only means stopping future data  
106 collection as *“the ability to revoke the consent [...] is not about the right to [...], you know, to delete the data.”*

107 **Experts held similar perspectives on core problems with consent but different ideas about paths forward**  
108 **and possible futures.** *Power dynamics* and *social norms* commonly surfaced as hard problems impeding improved  
109 consent practices. For example, P4 drew attention the inherent power dynamics people have within our technology  
110 infrastructure: *“To live your daily life, to live in today’s society, you [...] are forced in a situation where you’re constantly*  
111 *pressed and accepting all these things.”* Despite having similar views of the challenges, there was not consensus about  
112 promising approaches to address these (or other, more tangible) problems with consent. Experts proposed technical,  
113 regulatory, or regulation-enforcement strategies for improving consent. Some emphasized the need to simultaneously  
114 address related problems, e.g., P6, *“The difficulty of thinking about what consent might mean in the context of surveillance*  
115 *technology is a problem with the technology.”* P9 suggested, *“more radical kind of reframing that I would love to see in the*  
116 *world is like questioning why we need to collect data and like questioning what data is doing for us.”*

#### 121 4 Implications

122 **Expert interviews:** Our interviews suggest that not only do experts use consent-related terminology somewhat  
123 inconsistently, some also have divergent perspectives. While striving to form a shared foundation of understanding and  
124 improve consent practices, experts will need to ask themselves which perspectives we can or must reach consensus  
125 about and where we can agree to disagree.

127 **Design space analysis:** Our design space analysis will enable us to identify underexplored design areas and to more  
128 systematically understand how designs relate to each other. By doing so, we can identify novel design opportunities  
129 that are immediately recognizable and ones that require technical advancements or other forms of progress.

130 **Rapid prototyping and user studies:** In-depth insights about how users perceive various design prototypes should  
131 drive technology designers’ priorities for which ones to pursue and deploy at scale.

#### 134 References

- 135  
136 [1] Dagstuhl Seminar 25261. 2025. Future of Human-Centered Privacy. <https://www.dagstuhl.de/25261> [Accessed: 2026.2.4].  
137 [2] Yi-Shyuan Chiang, Pardis Emami-Naeini, and Camille Cobb. 2025. IoT labels’ impact on security and privacy concerns. In *2025 European Symposium*  
138 *on Usable Security (EuroUSEC)*. IEEE, 177–190.  
139 [3] Yi-Shyuan Chiang, Omar Khan, Adam Bates, and Camille Cobb. 2024. More than just informed: The importance of consent facets in smart homes.  
140 In *Proceedings of the 2024 CHI Conference on Human Factors in Computing Systems*. 1–21.  
141 [4] Camille Cobb, Sruti Bhagavatula, Kalil Anderson Garrett, Alison Hoffman, Varun Rao, and Lujio Bauer. 2021. “I would have to evaluate their  
142 objections”: Privacy tensions between smart home device owners and incidental users. *Proceedings on Privacy Enhancing Technologies (2021)*.  
143 [5] Camille Cobb and Tadayoshi Kohno. 2017. How public is my private life? Privacy in online dating. In *Proceedings of the 26th International Conference*  
144 *on World Wide Web*. 1231–1240.  
145 [6] Yuanyuan Feng, Yaxing Yao, and Norman Sadeh. 2021. A design space for privacy choices: Towards meaningful privacy control in the internet of  
146 things. In *Proceedings of the 2021 CHI Conference on Human Factors in Computing Systems*. 1–16.  
147 [7] Mark A Lemley. 2024. Protecting Consumers in a Post-Consent World. *Stan. L. Rev. Online* 77 (2024), 247.  
148 [8] Ewa Luger and Tom Rodden. 2013. An informed view on consent for UbiComp. In *Proceedings of the 2013 ACM international joint conference on*  
149 *Pervasive and ubiquitous computing*. 529–538.  
150 [9] Maïke M Raphael, Aikaterini Kanta, Rico Seebonn, Markus Dürmuth, and Camille Cobb. 2024. Batman Hacked My Password: A {Subtitle-Based}  
151 Analysis of Password Depiction in Movies. In *Twentieth Symposium on Usable Privacy and Security (SOUPS 2024)*. 199–218.  
152 [10] Florian Schaub, Rebecca Balebako, Adam L Durity, and Lorrie Faith Cranor. 2015. A design space for effective privacy notices. In *Eleventh symposium*  
153 *on usable privacy and security (SOUPS 2015)*. 1–17.  
154 [11] Daniel J Solove. 2013. Introduction: Privacy self-management and the consent dilemma. *Harvard law review* 126, 7 (2013), 1880–1903.  
155 [12] CHI26 Workshop. 2025. Moving Beyond Clicks: Rethinking Consent and User Control in the Age of AI. [https://chi26clicks.wseymour.co.uk/](https://chi26clicks.wseymour.co.uk/submissions.html)  
156 [submissions.html](https://chi26clicks.wseymour.co.uk/submissions.html) [Accessed: 2026.2.4].