

A decorative graphic on the left side of the slide consisting of two overlapping parallelograms. The front one is blue and the back one is a light green color. They are positioned diagonally, with the blue one partially covering the green one.

# Social Cybersecurity

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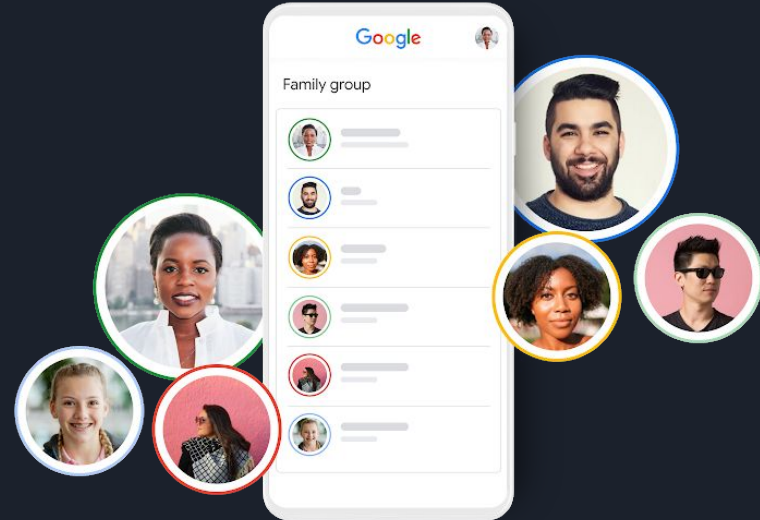
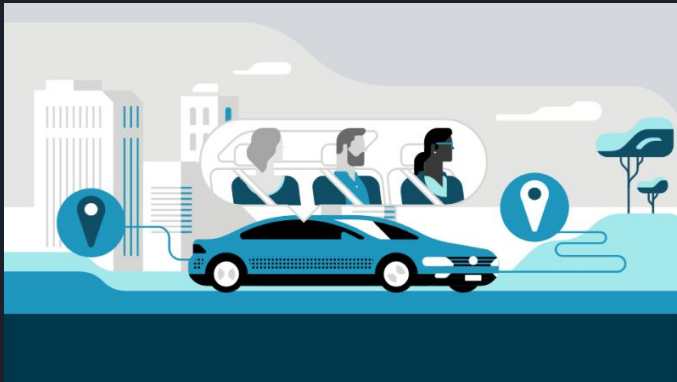


# Key Behaviours

- negotiating access to shared resources
- shared and social authentication
- managing self-presentation
- influencing others' security and privacy behaviours

## A. Negotiating access to shared resources

- intimate: sharing accounts such as bank accounts, media subscription services, calendars, and smart devices.
- families and households - Family Accounts model
- social acquaintances and coworkers - trust in other members to protect your data
- public - Airbnb, ridesharing



## B. Shared and social authentication

- intimate - shared resources
- families and households - common share of passwords
- social acquaintances and coworkers - sharing their passwords or logging into their accounts for others to use
- public
  - informal password sharing practices
  - authenticating authorities



## C. Managing self-presentation

- intimate - development of trust
- families and households - parents often expose their children and information about them on the internet
- social acquaintances and coworkers - the information between coworkers is often shared based on similarities
- public - users often share information about them and sometimes, with unintended recipients.



## D. Influencing others' security and privacy behaviors

- intimate - the need for professionals to help cases of domestic violence
- families and households - “lockdown” approach to protect less literate members
- social acquaintances and coworkers
- public - cookies and firewall





# Related Work

- Breaking! A Typology of Security and Privacy News and How It's Shared
  - Survey about whether people had heard and shared events related to cybersecurity
- The effect of social influence on security sensitivity
  - Interview that points out the fact that people are using passwords that are rarely changed
- Individually vulnerable, collectively safe: The security and privacy practices of households with older adults
  - Mainly focused on the Indian urban households and how the young people are becoming "family tech managers"
- "We hold each other accountable": Unpacking how social groups approach cybersecurity and privacy together
  - Different groups formed and put together to see how they manage the passwords jointed accounts
- To Self-Persuade or be Persuaded: Examining Interventions for Users' Privacy Setting Selection
  - It shows the importance of non-personal ties regarding the targeted group



# References

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- [2] S. Das, J. Lo, L. Dabbish, and J. I. Hong, "Breaking! a typology of security and privacy news and how it's shared" in Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems, 2018, pp. 1-12
- [3] S. Das, T. H.-J. Kim, L. A. Dabbish, and J. I. Hong, "The effect of social influence on security sensitivity" in 10th Symposium On Usable Privacy and Security (SOUPS 2014), 2014, pp. 143-157
- [4] S. Murthy, KS. Bhat, S. Das, N. Kumar, "Individually vulnerable, collectively safe: The security and privacy practices of households with older adults" in Proceedings of the ACM on Human-Computer Interaction 5 (CSCW1), 2021, pp. 1-24
- [5] H. Watson, E. Moju-Igbene, A. Kumari, and S. Das, ""We hold each other accountable": Unpacking how social groups approach cybersecurity and privacy together" in Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems, 2020, pp. 1-12.
- [6] I. Krsek, K. Wenzel, S. Das, JI. Hong, L. Dabbish, "To Self-Persuade or be Persuaded: Examining Interventions for Users' Privacy Setting Selection" in CHI '22: Proceedings of the 2022 CHI Conference on Human Factors in Computing Systems, 2022, pp. 1-17
- [7] <https://images.google.com/>