

INFO 6210/COMM6211: Applications of Contextual Integrity
Cornell Tech - INFO 6210/COMM6211
Credits: 3 hours
Spring 2020
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COURSE OVERVIEW

This graduate-level, project-based seminar will introduce the theory of contextual integrity as a conceptual model of privacy that is able to bridge scientific and technical approaches, on the one hand, with ethical, legal, and policy approaches, on the other.

02/05 **Introduction**

02/12 **What is Privacy in the Digital Age**

Chapter 4: Locating the Value in Privacy

[NY Time Privacy Project](#)

Further Reading:

[Solove, Daniel J. A Taxonomy of Privacy. University of Pennsylvania Law Review](#)

[Solove, Daniel J. "I've Got Nothing to Hide" and Other Misunderstandings of Privacy. San Diego Law Review](#)

02/19 **Private versus Public**

Chapter 5: Privacy in Private

Chapter 6: Puzzles, Paradoxes, and Privacy in Public

02/26 **The Framework of Contextual Integrity**

Chapter 7: Contexts, Informational Norms, Actors, Attributes and Transmission Principles

03/04 **Presentations/discussion on Papers on Applications of CI**

Barth, Adam, Anupam Datta, John C. Mitchell, and Helen Nissenbaum. "Privacy and contextual integrity: Framework and applications." In 2006 IEEE Symposium on Security and Privacy (S&P'06), pp. 15-pp. IEEE, 2006.

Apthorpe, N., Varghese, S. and Feamster, N., 2019. Evaluating the Contextual Integrity of Privacy Regulation: Parents' IoT Toy Privacy Norms Versus COPPA. In 28th USENIX Security Symposium Security 19 (pp. 123-140).

Y. J. Jia, Q. A. Chen, S. Wang, A. Rahmati, E. Fernandes, Z. M. Mao, A. Prakash, and S. J. University. Contextiot: Towards providing contextual integrity to appified iot platforms, 2017.

03/11 **Finishing the remaining papers on applications of CI**

Datta, Anupam, et al. "Understanding and protecting privacy: Formal semantics and principled audit mechanisms." International Conference on Information Systems Security. Springer, Berlin, Heidelberg, 2011.

Martin, Kirsten, and Helen Nissenbaum. "Measuring privacy: an empirical test using context to expose confounding variables." Colum. Sci. & Tech. L. Rev. 18 (2016): 176.

- 03/18** **Spring Break**
- 03/25** **Brainstorming project ideas**
- 04/01** **Projects milestones**
Chapter 8: Breaking the Rules for Good
Further Reading:
Conley, Amanda, Anupam Datta, Helen Nissenbaum, and Divya Sharma. "Sustaining privacy and open justice in the transition to online court records: A multidisciplinary inquiry." Md. L. Rev. 71 (2011): 772. [link to a paper](#)
- 04/08** **Project discussion: Related Work**
- 04/15** **Project discussion: Design & Methodology**
- 04/22** **Project discussion: Evaluation**