

Luke Hutton

Education

- 2011–2015 **PhD Computer Science**, *University of St Andrews*, St Andrews, UK.
thesis: Applying contextual integrity to the study of social network sites
- 2007–2011 **BSc Applied Computing**, *University of Dundee*, Dundee, UK.

Employment

- 2016–present **Research Associate**, *Computing and Communications, The Open University*, Milton Keynes, UK.
- 2015–2016 **Research Fellow**, *School of Computer Science, University of St Andrews*, St Andrews, UK.
- 2010–2011 **Software Developer**, *College of Life Sciences, University of Dundee*, Dundee, UK.

Publications

B. A. Price, A. Stuart, G. Calikli, C. McCormick, V. Mehta, L. Hutton, A. K. Bandara, M. Levine, and B. Nuseibeh. Logging you, Logging me: A Replicable Study of Privacy and Sharing Behaviour in Groups of Visual Lifeloggers. *Proceedings of the ACM on Interactive Mobile Wearable and Ubiquitous Technologies*, 1(2), June 2017. doi:10.1145/3090087.

L. Hutton and T. Henderson. Beyond the EULA: Improving Consent for Data Mining. In T. Cerquitelli, D. Quercia, and F. Pasquale, editors, *Transparent Data Mining for Big and Small Data*, volume 11 of *Studies in Big Data*, pages 147–167. Springer International Publishing, 2017. doi:10.1007/978-3-319-54024-5_7.

L. Hutton and T. Henderson. Towards reproducibility in online social network research. *IEEE Transactions on Emerging Topics in Computing*, 2015. doi:10.1109/tetc.2015.2458574.

L. Hutton and T. Henderson. “I didn’t sign up for this!”: Informed consent in social network research. In *Proceedings of the 9th International AAI Conference*

on *Web and Social Media (ICWSM)*, pages 178–187, Oxford, UK, May 2015. Online at <http://www.aaai.org/ocs/index.php/ICWSM/ICWSM15/paper/view/10493>.

L. Hutton and T. Henderson. An architecture for ethical and privacy-sensitive social network experiments. *SIGMETRICS Perform. Eval. Rev.*, 40(4):90–95, April 2013. doi:10.1145/2479942.2479954.

L. Hutton, T. Henderson, and A. Kapadia. “Here I Am, Now Pay Me!”: Privacy Concerns in Incentivised Location-sharing Systems. In *Proceedings of the 2014 ACM Conference on Security and Privacy in Wireless & Mobile Networks, WiSec '14*, pages 81–86, Oxford, UK, July 2014. ACM. doi:10.1145/2627393.2627416.

S. McNeilly, L. Hutton, and T. Henderson. Understanding ethical concerns in social media privacy studies. In *Proceedings of the ACM CSCW Workshop on Measuring Networked Social Privacy: Qualitative & Quantitative Approaches*, San Antonio, TX, USA, February 2013. Online at <http://www.cs.st-andrews.ac.uk/tristan/pubs/mnsp2013.pdf>.

Funding

- SICSA Postdoctoral and Early Career Researcher Exchange, 2015

Academic service

Conference reviewing

- 30th International British Computer Society Human Computer Interaction Conference 2016
- ACM SIGCHI 2016 Conference on Human Factors in Computer Systems
- 28th International British Computer Society Human Computer Interaction Conference 2014
- ACM SIGCHI 2014 Conference on Human Factors in Computer Systems
- 27th International British Computer Society Human Computer Interaction Conference 2013
- 26th International British Computer Society Human Computer Interaction Conference 2012

Teaching and outreach

- 2015 Delivering Academic Skills Project Workshop “Experiment and Research Planning and Methodology: Ethical social network research”
- 2015 International Summer School “Social media e-safety”

- 2013 Tutoring “Advanced programming projects in Python”
- 2012–2013 Sub-honours laboratory demonstrating
- 2012 Sutton Trust Summer School laboratory support

Organisation

- 2016–present Seminar coordinator, Computing and Communications Research Seminars
- 2012–2013 Co-chair, St Andrews Computer Science Security Colloquium

Research interests

My interests lie in understanding and mitigating the ethical challenges associated with studying online services which collect, process, and disseminate personal information, such as social network sites. As researchers can handle large amounts of such data, often without the people who shared it knowing, I am keen to improve the acquisition of informed and meaningful consent from participants in social network experiments, and to encourage the sharing of data in a privacy-preserving manner to support the reproducibility. Having developed techniques for acquiring contextually-appropriate consent for social network experiments, I am interested in applying these approaches to other domains, such as health and the quantified self, to understand the commonalities and unique challenges these other contexts present.