

George Danezis, B.A. (Hons), M.A. (Cantab), Ph.D., FBCS

CONTACT INFORMATION

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RESEARCH INTERESTS

Computer security, privacy technologies, traffic analysis, peer-to-peer networking & distributed ledgers, inference and probabilistic modelling, applied cryptography, smart grids and transportation security.

ACADEMIC POSITIONS & EMPLOYMENT

Dept. of Computer Science, University College London, UK

Oct. 2016 – present **Professor in Security and Privacy Engineering**
Head of Information Security Research Group
Turing Institute Faculty Fellow

Oct. 2013 – Oct. 2016 **Reader in Security and Privacy Engineering**
Position involving research in security and privacy, teaching duties and holding grants as principal investigator funding 6 doctoral and 2 post-doctoral researchers. Master's level Admissions' Tutor.

Microsoft Research, Cambridge, UK

Sept. 2009 – Sept. 2013 **Researcher**

Sept. 2007 – Aug. 2009 **Post-doctoral researcher**

Researcher in security and privacy, under Andy Gordon, Byron Cook, Luca Cardelli and Tuomas Aura: full time research; managing post-doctoral researchers and interns; and privacy lead for the lab.

ESAT, Katholieke Universiteit Leuven, Belgium

Oct. 2005 – Sept. 2007 **Post-doctoral visiting fellow**

Post-doctoral fellowship funded by the Flemish research council (FWO) and the Katholieke Universiteit Leuven, at the COSIC group headed by Prof. Bart Preneel.

Computer Laboratory, University of Cambridge, UK

June 2004 – Oct. 2005 **Research associate**

Sept. 2003 – June 2004 **Research assistant**

Post-doctoral work funded by the Cambridge-MIT Institute project, '*Next generation peer-to-peer networks*' on peer-to-peer privacy and censorship resistant technologies.

EDUCATION

Oct. 2000 – June 2004, Ph.D., **Computer Laboratory, University of Cambridge, UK**
PhD thesis on "Better Anonymous Communications", supervised by Prof. Ross J. Anderson.

Oct. 1997 – June 2000, B.A. (Hons), **Queens' College, University of Cambridge, UK.**
B.A. (Hons) in Computer Science (first class grade), with the 50% Part I Physics.
Foundation Scholar of Queens' College (2000). M.A. (Cantab) (2004).

June 1997 – European Baccalaureate, **European School of Brussels I, Belgium.**

POSITIONS OF RESPONSIBILITY

- **Program chair** of ACM Computers and Communications Security (CCS 2011 & 2012).
- Member of the **steering committee** of ACM Computers and Communications Security (2012–).
- **Program chair** of Financial Cryptography & Data Security (FC 2011).
- **Program chair** of the Privacy Enhancing Technologies Workshop (PET 2006) and (PET 2005).
- Member of **Board** of the Privacy Enhancing Technologies Symposium (2004–).
- **General chair** of IEEE European Symposium on Security and Privacy (IEEE EuroS&P 2018).
- Selected **program committee** membership
 - IEEE Symposium on Security & Privacy (2006, 2009, 2013–2014),
 - ACM Computers and Communications Security (CCS 2007–2010, 2014–2016),
 - USENIX Security Symposium (2008–2010, 2014–2016),
 - ISoc Network and Distributed Systems Security (NDSS 2010–2011),
 - Privacy Enhancing Technologies Symposium (PET 2004, 2007–2009, 2011–2013, 2015–2017)
- Other conferences:* ACM Symposium on Information, Computer & Communication Security (ASIACCS 2007, 2009), Financial Cryptography (FC 2008–2010, 2013–2014, 2016), Information Hiding (2011–2015), IEEE Computer Security Foundations Symposium (CSF 2007, 2010), European Symposium on Research in Computer Security (ESORICS 2005–2006, 2010–2011), Euro S&P (2015–2016),

- Member of the **steering committee** of ACM Information Hiding and Multimedia Security (2012–).
- Member of the **editorial board** of Transactions on Data Privacy (2008–2011).
- **Expert** for the European Union Agency for Network and Information Security (ENISA) (2014–).
- Member of the **advisory board** of Privacy International (2011–2014), Simply Secure project (2014–), GOV.UK Verify Consumer & Privacy (2015–), SysSec FP7 NoE (2011–13), Privitar (2016–).
- **Doctoral thesis examiner** of *Carmela Troncoso* (KU Leuven), *Markulf Kohlweiss* (KU Leuven), *Prateek Mittal* (UIUC), *Reza Shokri* (EPFL), *Nicolás Bordenabe* (École Polytechnique), *Linna Kamm* (Tartu), *Enrique Larraia* (Bristol), *Brandon Wiley* (Texas, Austin), *Antony Morton* (UCL), *Sune Jakobsen* (QMUL) and *Sebastian Meiser* (Saarland), *Anna Krasnova & Wouter Lueks* (Radboud University).

SELECTED INVITED TALKS & KEYNOTES

- **Keynote:** Engineering privacy-friendly computations (Asiacrypt, 2013)
- **Keynote:** Playing hide and seek on-line: anonymous communication, traffic analysis and censorship (IEEE International Workshop on Information Forensics and Security, 2012)
- **Keynote:** Cyber Security – The Corporate Perspective. (NATO Partnership Symposium, NATO School Oberammergau, 18-19 Jan. 2012.)
- **Keynotes:** Privacy-preserving smart metering (ESSOS Mar. 2013, DPM 2011 Sep. 2011 Belgium, CTIT Jun. 2011 Netherlands, SPI Mar. 2011 Czech Rep., Oxford Internet Institute Jan. 2011 UK, Ofgem Nov. 2010 UK)
- **Keynote:** Anonymity and Cryptography (WEWoRC, Jun. 2007, Bochum, Germany)

HONOURS AND AWARDS

- Fellow of the British Computing Society (FBCS) (2014–).
- Most notable publication award by the (Cambridge) Computer Laboratory Lab Ring (2006).
- Prize for best paper in the Privacy Enhancing Technologies field for the year 2002 (2003).

FUNDING

- EU Horizon 2020 Project DECODE (PI, EU £419,062) (2016–)
- EPSRC Glass Houses Project (co-I, EPSRC £969,096) (2016–)
- EU Horizon 2020 Project PANORAMIX (PI, EU £368,766) (2015–)
- EU Horizon 2020 Project NEXTLEAP (PI, EU £229,000) (2015–)
- Joint UK-Israel Cyber-security Project (PI, EPSRC £177,435) (2015–)
- MSR-UCL PhD Scholarship (PI, Microsoft Research £69,794) (2015–)
- Academic Centre of Excellence in Cyber-Security PhD Scholarship (PI, GCHQ £122,530) (2014–)

SELECTED TEACHING & STUDENT SUPERVISION

- University College London **Lecture Series** and labs on *Computer Security I* (40 hours, UCL COMPGA01 2013–) and *Privacy Technologies* (40 hours, UCL COMPGA17 2014–).
- Queens' College Cambridge **teaching affiliate** (2008) and **supervisor** (2000–2008) in *computer security, introduction to security, concurrent systems, further java, software engineering* and *ethics*.
- Supervised **seven undergraduate projects** (Cambridge) and **countless MSc/MEng theses** (UCL).
- Supervised **four MSR intern projects** including *Prateek Mittal* (2008), *Carmela Troncoso* (2009), *Alfredo Rial* (2010) and *Qiyang Wang* (2012).
- Selected undergraduate and graduate **lecture series** and **tutorials**:
 - Faculty at the Secure Application Development School (2014 & 2015, Leuven, Belgium)
 - Bayesian approaches to the traffic analysis of anonymous communications (6 hours, FOSAD School, Sept. 2010, Bertinoro, Italy)
 - Data Matters: Technical Aspects of Privacy in Communications and Privacy Preserving Data Analysis (3 hours, Tutorial. Computers Freedom and Privacy (CFP), May 2007, Montreal, Canada)

PATENTS

Named inventor on four U.S. patents (US20120297198A1, US20110307551A1, US20120089494A1, US20140101053A1) filed on the topics of social networking and smart metering privacy technologies.

OTHER

Nationality: Dual Greek / French, *Date of Birth:* 6 December 1979, *Language skills:* Greek (native), French (native), English (native). Member of the Association for Computing Machinery (ACM) and the British Computing Society (BCS).

PEER-REVIEWED PUBLICATIONS

The computer security community publishes in international high-impact peer-reviewed conferences with acceptance rates often lower than 15%–20%. The most prestigious venues in the field are the IEEE Symposium on Security and Privacy, ACM Computer and Communications Security (CCS), USENIX Security Symposium and the ISOC Conference on Network and Distributed Systems Security (NDSS). Key publications comprise papers published in journals, these selected venues, as well as publications with more than 85 citations. (Bibliometrics from *Google Scholar* on Apr. 2017.)

BIBLIOMETRICS

h-index: 37; *citations*: 6423 ; *peak rate*: 776 citations/year in 2015.

SELECTED PUBLICATIONS IN TOP CONFERENCES & JOURNALS

- [RDK16] Alfredo Rial, George Danezis, and Markulf Kohlweiss. Privacy-preserving smart metering revisited. *International Journal of Information Security*, pages 1–31, 2016
- [HD16] Jamie Hayes and George Danezis. k-fingerprinting: A robust scalable website fingerprinting technique. In *25th USENIX Security Symposium, USENIX Security 16, Austin, TX, USA, August 10-12, 2016.*, pages 1187–1203, 2016
- [DM16] George Danezis and Sarah Meiklejohn. Centrally banked cryptocurrencies. *Network and Distributed Systems Security (NDSS)*, 2016
- [LMC16] George Danezis Luca Melis and Emiliano De Cristofaro. Efficient private statistics with succinct sketches. *Network and Distributed Systems Security (NDSS)*, 2016
- [CAB⁺15] Chen Chen, Daniele E. Asoni, David Barrera, George Danezis, and Adrian Perrig. Hornet: High-speed onion routing at the network layer. In *Proceedings of the 2015 ACM SIGSAC Conference on Computer and Communications Security, October, 2015*, 2015
- [EDG14] Tariq Elahi, George Danezis, and Ian Goldberg. Privex: Private collection of traffic statistics for anonymous communication networks. In Gail-Joon Ahn, Moti Yung, and Ninghui Li, editors, *Proceedings of the 2014 ACM SIGSAC Conference on Computer and Communications Security, Scottsdale, AZ, USA, November 3-7, 2014*, pages 1068–1079. ACM, 2014
- [FKDL13] Cédric Fournet, Markulf Kohlweiss, George Danezis, and Zhengqin Luo. ZQL: A Compiler for Privacy-Preserving Data Processing. In Samuel T. King, editor, *USENIX Security*, pages 163–178. USENIX Association, 2013
- [TDK⁺11] Carmela Troncoso, George Danezis, Eleni Kosta, Josep Balasch, and Bart Preneel. Pripayd: Privacy-friendly pay-as-you-drive insurance. *IEEE Trans. Dependable Sec. Comput.*, 8(5):742–755, 2011
- [DG09] George Danezis and Ian Goldberg. Sphinx: A compact and provably secure mix format. In *IEEE Symposium on Security and Privacy*, pages 269–282. IEEE Computer Society, 2009
- [DM09] George Danezis and Prateek Mittal. Sybilinifer: Detecting sybil nodes using social networks. In *NDSS. The Internet Society*, 2009
- [TD09] Carmela Troncoso and George Danezis. The bayesian traffic analysis of mix networks. In Ehab Al-Shaer, Somesh Jha, and Angelos D. Keromytis, editors, *ACM Conference on Computer and Communications Security*, pages 369–379. ACM, 2009
- [Dan07] George Danezis. Breaking four mix-related schemes based on universal re-encryption. *Int. J. Inf. Sec.*, 6(6):393–402, 2007
- [BDMT07] Nikita Borisov, George Danezis, Prateek Mittal, and Parisa Tabriz. Denial of service or denial of security? In Peng Ning, Sabrina De Capitani di Vimercati, and Paul F. Syverson, editors, *Proceedings of the 2007 ACM Conference on Computer and Communications Security, CCS 2007, Alexandria, Virginia, USA, October 28-31, 2007*, pages 92–102. ACM, 2007
- [DA05] George Danezis and Ross J. Anderson. The economics of resisting censorship. *IEEE Security & Privacy*, 3(1):45–50, 2005
- [MD05] Steven J. Murdoch and George Danezis. Low-cost traffic analysis of tor. In *IEEE Symposium on Security and Privacy*, pages 183–195. IEEE Computer Society, 2005
- [DDM03] George Danezis, Roger Dingledine, and Nick Mathewson. Mixminion: Design of a type III anonymous remailer protocol. In *IEEE Symposium on Security and Privacy*, pages 2–15. IEEE Computer Society, 2003

TOP CITED IN SPECIALIZED VENUES

17. [SD02] Andrei Serjantov and George Danezis. Towards an information theoretic metric for anonymity. In Roger Dingledine and Paul F. Syverson, editors, *Privacy Enhancing Technologies*, volume 2482 of *Lecture Notes in Computer Science*, pages 41–53. Springer, 2002
18. [DLLKA05] George Danezis, Chris Lesniewski-Laas, M. Frans Kaashoek, and Ross J. Anderson. Sybil-resistant dht routing. In Sabrina De Capitani di Vimercati, Paul F. Syverson, and Dieter Gollmann, editors, *ESORICS*, volume 3679 of *Lecture Notes in Computer Science*, pages 305–318. Springer, 2005
19. [Dan03b] George Danezis. Statistical disclosure attacks. In Dimitris Gritzalis, Sabrina De Capitani di Vimercati, Pierangela Samarati, and Sokratis K. Katsikas, editors, *SEC*, volume 250 of *IFIP Conference Proceedings*, pages 421–426. Kluwer, 2003
20. [RD11] Alfredo Rial and George Danezis. Privacy-preserving smart metering. In Yan Chen and Jaideep Vaidya, editors, *WPES*, pages 49–60. ACM, 2011
21. [STD⁺11] Reza Shokri, George Theodorakopoulos, George Danezis, Jean-Pierre Hubaux, and Jean-Yves Le Boudec. Quantifying location privacy: The case of sporadic location exposure. In Simone Fischer-Hübner and Nicholas Hopper, editors, *PETS*, volume 6794 of *Lecture Notes in Computer Science*, pages 57–76. Springer, 2011
22. [Dan04] George Danezis. The traffic analysis of continuous-time mixes. In David Martin and Andrei Serjantov, editors, *Privacy Enhancing Technologies*, volume 3424 of *Lecture Notes in Computer Science*, pages 35–50. Springer, 2004
23. [KDK11] Klaus Kursawe, George Danezis, and Markulf Kohlweiss. Privacy-friendly aggregation for the smart-grid. In Simone Fischer-Hübner and Nicholas Hopper, editors, *PETS*, volume 6794 of *Lecture Notes in Computer Science*, pages 175–191. Springer, 2011
24. [DLA05] George Danezis, Stephen Lewis, and Ross J. Anderson. How much is location privacy worth. In *Fourth Workshop on the Economics of Information Security*, 2005
25. [BAD09] Joseph Bonneau, Jonathan Anderson, and George Danezis. Prying data out of a social network. In Nasrullah Memon and Reda Alhajj, editors, *ASONAM*, pages 249–254. IEEE Computer Society, 2009
26. [DS04] George Danezis and Andrei Serjantov. Statistical disclosure or intersection attacks on anonymity systems. In Jessica J. Fridrich, editor, *Information Hiding*, volume 3200 of *Lecture Notes in Computer Science*, pages 293–308. Springer, 2004
27. [CKMD06b] Daniel Cvrcek, Marek Kumpost, Vashek Matyas, and George Danezis. A study on the value of location privacy. In Ari Juels and Marianne Winslett, editors, *WPES*, pages 109–118. ACM, 2006
28. [Dan03a] George Danezis. Mix-networks with restricted routes. In Roger Dingledine, editor, *Privacy Enhancing Technologies*, volume 2760 of *Lecture Notes in Computer Science*, pages 1–17. Springer, 2003

OTHER PEER-REVIEWED PUBLICATIONS

29. [IHD16] Marios Isaakidis, Harry Halpin, and George Danezis. Unlimitid: Privacy-preserving federated identity management using algebraic macs. In *Proceedings of the 2016 ACM on Workshop on Privacy in the Electronic Society*, pages 139–142. ACM, 2016
30. [HTD16] Jamie Hayes, Carmela Troncoso, and George Danezis. Tasp: Towards anonymity sets that persist. In *Proceedings of the 2016 ACM on Workshop on Privacy in the Electronic Society*, pages 177–180. ACM, 2016
31. [TDG16] Raphael R. Toledo, George Danezis, and Ian Goldberg. Lower-cost ϵ -private information retrieval. *PoPETs*, 2016(4):184–201, 2016
32. [BCDa15] Luís Brandão, Nicolas Christin, George Danezis, and anonymous. Toward mending two nation-scale brokered identification systems. *Proceedings on Privacy Enhancing Technologies*, 2015(2):135–155, 2015
33. [HD15] Jamie Hayes and George Danezis. Guard sets for onion routing. *Proceedings on Privacy Enhancing Technologies*, 2015(2):1–21, 2015
34. [BDG15] Nikita Borisov, George Danezis, and Ian Goldberg. Dp5: A private presence service. *Proceedings on Privacy Enhancing Technologies*, 2015(2):1–21, 2015
35. [DFGK14] George Danezis, Cédric Fournet, Jens Groth, and Markulf Kohlweiss. Square span programs with applications to succinct NIZK arguments. In Palash Sarkar and Tetsu Iwata, editors, *Advances in Cryptology - ASIACRYPT 2014 - 20th International Conference on the Theory and Application of Cryptology and Information Security, Kaoshiung, Taiwan, R.O.C., December 7-11, 2014. Proceedings, Part I*, volume 8873 of *Lecture Notes in Computer Science*, pages 532–550. Springer, 2014
36. [DC14] George Danezis and Emiliano De Cristofaro. Fast and private genomic testing for disease susceptibility. In Ahn and Datta [AD14], pages 31–34
37. [SD14] Kumar Sharad and George Danezis. An automated social graph de-anonymization technique. In Ahn and Datta [AD14], pages 47–58

38. [MDH⁺14] Rebecca Roisin Murphy, George Danezis, Mathew Harry Horrocks, Sophie E Jackson, and David Klenerman. Bayesian inference of accurate population sizes and fret efficiencies from single diffusing biomolecules. *Analytical chemistry*, 2014
39. [DFKP13] George Danezis, Cédric Fournet, Markulf Kohlweiss, and Bryan Parno. Pinocchio coin: building zerocoin from a succinct pairing-based proof system. In Martin Franz, Andreas Holzer, Rupak Majumdar, Bryan Parno, and Helmut Veith, editors, *PETShop@CCS*, pages 27–30. ACM, 2013
40. [DFKB13] George Danezis, Cédric Fournet, Markulf Kohlweiss, and Santiago Zanella Béguelin. Smart meter aggregation via secret-sharing. In Benessa Defend and Klaus Kursawe, editors, *SEGS@CCS*, pages 75–80. ACM, 2013
41. [BDG⁺13] Gilles Barthe, George Danezis, Benjamin Grégoire, César Kunz, and Santiago Zanella Béguelin. Verified computational differential privacy with applications to smart metering. In *CSF*, pages 287–301. IEEE, 2013
42. [DT13] George Danezis and Carmela Troncoso. You cannot hide for long: de-anonymization of real-world dynamic behaviour. In Ahmad-Reza Sadeghi and Sara Foresti, editors, *WPES*, pages 49–60. ACM, 2013
43. [DK12] George Danezis and Emilia Käsper. The dangers of composing anonymous channels. In Matthias Kirchner and Dipak Ghosal, editors, *Information Hiding*, volume 7692 of *Lecture Notes in Computer Science*, pages 191–206. Springer, 2012
44. [MMDF⁺12] Andres Molina-Markham, George Danezis, Kevin Fu, Prashant J. Shenoy, and David E. Irwin. Designing privacy-preserving smart meters with low-cost microcontrollers. In Angelos D. Keromytis, editor, *Financial Cryptography*, volume 7397 of *Lecture Notes in Computer Science*, pages 239–253. Springer, 2012
45. [DKLR12] George Danezis, Markulf Kohlweiss, Benjamin Livshits, and Alfredo Rial. Private client-side profiling with random forests and hidden markov models. In Simone Fischer-Hübner and Matthew Wright, editors, *Privacy Enhancing Technologies*, volume 7384 of *Lecture Notes in Computer Science*, pages 18–37. Springer, 2012
46. [DL11] George Danezis and Benjamin Livshits. Towards ensuring client-side computational integrity. In Christian Cachin and Thomas Ristenpart, editors, *CCSW*, pages 125–130. ACM, 2011
47. [DKR11] George Danezis, Markulf Kohlweiss, and Alfredo Rial. Differentially private billing with rebates. In Tomás Filler, Tomás Pevný, Scott Craver, and Andrew D. Ker, editors, *Information Hiding*, volume 6958 of *Lecture Notes in Computer Science*, pages 148–162. Springer, 2011
48. [DDTL10] George Danezis, Claudia Díaz, Carmela Troncoso, and Ben Laurie. Drac: An architecture for anonymous low-volume communications. In Mikhail J. Atallah and Nicholas J. Hopper, editors, *Privacy Enhancing Technologies*, volume 6205 of *Lecture Notes in Computer Science*, pages 202–219. Springer, 2010
49. [DACK10] George Danezis, Tuomas Aura, Shuo Chen, and Emre Kiciman. How to share your favourite search results while preserving privacy and quality. In Mikhail J. Atallah and Nicholas J. Hopper, editors, *Privacy Enhancing Technologies*, volume 6205 of *Lecture Notes in Computer Science*, pages 273–290. Springer, 2010
50. [Dan09] George Danezis. Inferring privacy policies for social networking services. In Dirk Balfanz and Jessica Staddon, editors, *AISec*, pages 5–10. ACM, 2009
51. [DT09] George Danezis and Carmela Troncoso. Vida: How to use bayesian inference to de-anonymize persistent communications. In Ian Goldberg and Mikhail J. Atallah, editors, *Privacy Enhancing Technologies*, volume 5672 of *Lecture Notes in Computer Science*, pages 56–72. Springer, 2009
52. [DDKT09] George Danezis, Claudia Díaz, Emilia Käsper, and Carmela Troncoso. The wisdom of crowds: Attacks and optimal constructions. In Michael Backes and Peng Ning, editors, *ESORICS*, volume 5789 of *Lecture Notes in Computer Science*, pages 406–423. Springer, 2009
53. [LAD⁺09] Janne Lindqvist, Tuomas Aura, George Danezis, Teemu Koponen, Annu Myllyniemi, Jussi Mäki, and Michael Roe. Privacy-preserving 802.11 access-point discovery. In David A. Basin, Srdjan Capkun, and Wenke Lee, editors, *WISEC*, pages 123–130. ACM, 2009
54. [Dan08] George Danezis. Covert communications despite traffic data retention. In *Proceedings of the Security Protocols Workshop (SPW 2008)*, Sidney Sussex College, Cambridge, UK, 2008. Springer
55. [CD08] Daniel Cvrcek and George Danezis. Fighting the good internet war. In *Proceedings of the Security Protocols Workshop (SPW 2008)*, Sidney Sussex College, Cambridge, UK, 2008. Springer
56. [MDBP08] Yoni De Mulder, George Danezis, Leila Batina, and Bart Preneel. Identification via location-profiling in gsm networks. In *Proceedings of the 2008 ACM Workshop on Privacy in the Electronic Society, WPES 2008, Alexandria, VA, USA, October, 2008*. ACM, 2008
57. [DS08b] George Danezis and Paul F. Syverson. Bridging and fingerprinting: Epistemic attacks on route selection. In *Privacy Enhancing Technologies, 8th International Symposium, PETS 2008, Leuven, Belgium, July 23-25, 2008, Proceedings*, volume 5134 of *Lecture Notes in Computer Science*, pages 151–166. Springer, 2008
58. [DS08a] George Danezis and Len Sassaman. How to bypass two anonymity revocation schemes. In *Privacy Enhancing Technologies, 8th International Symposium, PETS 2008, Leuven, Belgium, July 23-25, 2008, Proceedings*, volume 5134 of *Lecture Notes in Computer Science*, pages 187–201. Springer, 2008

59. [TDKP07] Carmela Troncoso, George Danezis, Eleni Kosta, and Bart Preneel. Pripayd: privacy friendly pay-as-you-drive insurance. In Peng Ning and Ting Yu, editors, *Proceedings of the 2007 ACM Workshop on Privacy in the Electronic Society, WPES 2007, Alexandria, VA, USA, October 29, 2007*, pages 99–107. ACM, 2007
60. [DTD07] Claudia Díaz, Carmela Troncoso, and George Danezis. Does additional information always reduce anonymity? In Peng Ning and Ting Yu, editors, *Proceedings of the 2007 ACM Workshop on Privacy in the Electronic Society, WPES 2007, Alexandria, VA, USA, October 29, 2007*, pages 72–75. ACM, 2007
61. [DDF⁺07] George Danezis, Claudia Díaz, Sebastian Faust, Emilia Käsper, Carmela Troncoso, and Bart Preneel. Efficient negative databases from cryptographic hash functions. In Juan A. Garay, Arjen K. Lenstra, Masahiro Mambo, and René Peralta, editors, *ISC*, volume 4779 of *Lecture Notes in Computer Science*, pages 423–436. Springer, 2007
62. [DDT07] George Danezis, Claudia Díaz, and Carmela Troncoso. Two-sided statistical disclosure attack. In Nikita Borisov and Philippe Golle, editors, *Privacy Enhancing Technologies, 7th International Symposium, PET 2007 Ottawa, Canada, June 20-22, 2007, Revised Selected Papers*, volume 4776 of *Lecture Notes in Computer Science*, pages 30–44. Springer, 2007
63. [DD07] George Danezis and Claudia Diaz. Space-efficient private search. In *Financial Cryptography (FC 2007)*, Lowlands, Scarborough, Trinidad/Tobago, February 12–15 2007. Springer
64. [BD06] Mike Bond and George Danezis. A pact with the devil. In *ACM New Security Paradigms Workshop (NSPW 2006)*, Schloss Dagstuhl, Germany, September 19–22 2006. ACM
65. [DC06] George Danezis and Richard Clayton. Route fingerprinting in anonymous communications. In *P2P '06: Proceedings of the Sixth IEEE International Conference on Peer-to-Peer Computing*, pages 69–72, Washington, DC, USA, 2006. IEEE Computer Society
66. [DW06] George Danezis and Bettina Wittenben. The economics of mass surveillance and the questionable value of anonymous communications. In *Workshop on Economics and Information Security (WEIS 2006)*, Cambridge, UK, June 2006
67. [Dan06] George Danezis. Breaking four mix-related schemes based on universal re-encryption. In Sokratis K. Katsikas, Javier Lopez, Michael Backes, Stefanos Gritzalis, and Bart Preneel, editors, *ISC*, volume 4176 of *Lecture Notes in Computer Science*, pages 46–59. Springer, 2006
68. [CKMD06a] Dan Cvrcek, Marek Kumpost, Vashek Matyas, and George Danezis. The value of location information: A european-wide study. In Bruce Christianson, Bruno Crispo, and Michael Roe, editors, *Security Protocols Workshop*, Lecture Notes in Computer Science. Springer, 2006
69. [BD05] Mike Bond and George Danezis. The dining freemasons (security protocols for secret societies). In Bruce Christianson, Bruno Crispo, and Michael Roe, editors, *Security Protocols Workshop*, Lecture Notes in Computer Science. Springer, 2005
70. [DC05] George Danezis and Jolyon Clulow. Compulsion resistant anonymous communications. In Mauro Barni, Jordi Herrera-Joancomartí, Stefan Katzenbeisser, and Fernando Pérez-González, editors, *Information Hiding*, volume 3727 of *Lecture Notes in Computer Science*, pages 11–25. Springer, 2005
71. [DA04] George Danezis and Ross J. Anderson. The economics of censorship resistance. In *Workshop on Economics and Information Security (WEIS 2004)*, Minneapolis, MI, May 2004
72. [DL04] George Danezis and Ben Laurie. Mixn: a simple and efficient anonymous packet format. In Vijay Atluri, Paul F. Syverson, and Sabrina De Capitani di Vimercati, editors, *WPES*, pages 59–65. ACM, 2004
73. [DS03] George Danezis and Len Sassaman. Heartbeat traffic to counter (n-1) attacks: red-green-black mixes. In Sushil Jajodia, Pierangela Samarati, and Paul F. Syverson, editors, *WPES*, pages 89–93. ACM, 2003
74. [Dan02] George Danezis. Forward secure mixes. In Jonsson Fisher-Hubner, editor, *Nordic workshop on Secure IT Systems (Norsec 2002)*, pages 195–207, Karlstad, Sweden, November 2002
75. [CD02] Richard Clayton and George Danezis. Chaffinch: Confidentiality in the face of legal threats. In Fabien A. P. Petitcolas, editor, *Information Hiding*, volume 2578 of *Lecture Notes in Computer Science*, pages 70–86. Springer, 2002
76. [CDK01] Richard Clayton, George Danezis, and Markus G. Kuhn. Real world patterns of failure in anonymity systems. In Ira S. Moskowitz, editor, *Information Hiding*, volume 2137 of *Lecture Notes in Computer Science*, pages 230–244. Springer, 2001
77. [Dan00] George Danezis. An anonymous auction protocol using "money escrow" (transcript of discussion). In Bruce Christianson, Bruno Crispo, and Michael Roe, editors, *Security Protocols Workshop*, volume 2133 of *Lecture Notes in Computer Science*, pages 223–233. Springer, 2000

BOOK CHAPTERS

- George Danezis. *Trust, Computing, and Society*, chapter Trust as a methodological tool in security engineering. Cambridge University Press, May 2014
- George Danezis, Claudia Diaz, and Paul Syverson. Systems for anonymous communication. *Handbook of Financial Cryptography and Security, Cryptography and Network Security Series*, pages 341–389, 2009
- George Danezis and Richard Clayton. *Digital Privacy: Theory, Technologies and Practices*, chapter Introducing Traffic Analysis, pages 95–116. Auerbach Publications, 2007
- George Danezis and Richard Clayton. *Digital Privacy: Theory, Technologies and Practices*, chapter Byzantine Attacks on Anonymity Systems, pages 73–94. Auerbach Publications, 2007

EDITOR

- Ting Yu, George Danezis, and Virgil D. Gligor, editors. *the ACM Conference on Computer and Communications Security, CCS'12, Raleigh, NC, USA, October 16-18, 2012*. ACM, 2012
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