

CURRICULUM VITAE* – Lee A. Bygrave

Name: Lee Andrew Bygrave.
Date of birth: 22.01.1963.
Residential address: Prost Christies vei 16A, N-1362 Hosle, NORWAY.
Work address: Department of Private Law
P.O. Box 6706, St. Olavs plass, N-0130 Oslo, NORWAY.
Telephone: (+47) 41233023 (private); (+47) 22859339 (work);
(+47) 22859731 (secretary)
E-mail: lee.bygrave@jus.uio.no
Website: <<http://www.jus.uio.no/ifp/english/people/aca/lee>>

FORMAL QUALIFICATIONS

- Doctor juris degree (awarded 2000; University of Oslo).
- Barrister, Supreme Court of New South Wales, Sydney (admitted 1992).
- Bachelor of Laws (Honours) degree (awarded 1989; Australian National University).
- Bachelor of Arts (Honours) degree (awarded 1985; Australian National University).

PROFESSIONAL POSITIONS

(i) Norway

- Professor, Norwegian Research Centre for Computers & Law (NRCCL), Department of Private Law, Faculty of Law, University of Oslo (Sept. 2012 – present).
- Director of NRCCL (2014–)
- Associate Professor, NRCCL, Dept. of Private Law, Faculty of Law, University of Oslo (June 2003 – Sept. 2012).
- Postdoctoral Research Fellow, NRCCL (Oct. 1999 – June 2003).
- Doctoral Research Fellow, NRCCL (Aug. 1993 – July 1999).

(ii) Australia

- Visiting Fellow, College of Law, Australian National University (Sept. 2011 – March 2012).
- Visiting Fellow, Faculty of Law, University of New South Wales (UNSW) (March 2006 – February 2009).
- Co-Director, Cyberspace Law and Policy Centre, Faculty of Law, UNSW (Nov. 2001 – July 2002).
- Lecturer in law (part-time), Faculty of Law, UNSW (March 2000 – April 2001).
- Legal Advisor, Commonwealth Department of Veterans' Affairs, Canberra (Dec. 1989 – Sept. 1990).

(iii) Italy

- Visiting Fellow, Department of Law, European University Institute (May – June 2012).

(iv) Austria

- Visiting Professor, Faculty of Law, University of Vienna (May 2001; May 2003).

(v) Estonia

- Visiting Professor, Faculty of Law, University of Tartu (October 2015–).

* Includes publications list.

AWARDS / SCHOLARSHIPS / RESEARCH GRANTS

- Manager/head: ‘Security in Internet Governance and Networks: Analysing the Law’ (SIGNAL), research project involving, *inter alia*, 3 fulltime doctoral researchers and 6 research assistants, with budget of NOK 15.5 million funded by Norwegian Research Council and UNINETT Norid A.S. (2016–2020).
- Member: European Network of Excellence in Internet Science funded by European Commission under 7th Framework Program (Grant Agreement number 288021), <<http://www.internet-science.eu/>> (2011–2014).
- Manager/head: ‘Governance of the Domain Name System and the Future Internet: New Parameters, New Challenges’, research project involving, *inter alia*, 2 fulltime postdoctoral researchers and 6 research assistants, with budget of NOK 9.8 million funded by Norwegian Research Council and UNINETT Norid A.S. (2010–2014).
- Manager/head: ‘Legal Regulation of Biometric Identification and Authentication Systems’, research project funded by Norwegian Research Council (2005–2010).
- Partner Investigator: ‘Creating More Consistent Privacy Principles through Better Interpretation and Law Reform’, research project DP0666646 funded by Australian Research Council (2006–2009).
- Subcontractor: PRIME (‘Privacy and Identity Management for Europe’), integrated project IST-2002-507591 funded by European Commission (2004–2008).
- Postdoctoral scholarship awarded by Norwegian Research Council (1999–2002).
- Subcontractor: ECLIP I (Electronic Commerce Legal Issues Platform) – project EP 27028 funded by European Commission (1998–1999).
- Doctoral scholarship awarded by Norwegian Research Council (1993–1996).
- Goethe Society Scholarship (Dec. 1983 – March 1984).
- Australian National University Vacation Scholarship (Dec. 1984 – March 1985).
- Goethe Society Prize for Distinguished Study in German, Australian National University (1982, 1983, 1984, 1985).

EXPERT ADVISORY POSITIONS

- Editorial Board member for *Internet Policy Review* (Humboldt Institute for Internet and Society)(2016–).
- Special Advisor on International Law and Jurisprudence, Cross-Community Working Group on Enhancing Accountability of the Internet Corporation for Assigned Names and Numbers (2015–2016).
- Editorial Board member for *Oslo Law Review* (University of Oslo)(2014–).
- Member of Norway’s Regional Committee for Medical and Health Research Ethics (2012–).
- Editorial Board member for *Computer Law & Security Review* (Elsevier)(2011–).
- Member of Norway’s Regional Committee for Medical and Health Research Ethics (2012–2017).
- Editorial Board member for *International Data Privacy Law* (Oxford University Press) (2010–).
- Editorial Board member for *Privacy Law & Policy Reporter* (LexisNexis / Butterworths) (1997–2006).
- Review Panel member for *Surveillance & Society* (<http://www.surveillance-and-society.org/>) (2011–).
- Scientific Committee member for annual international ‘Conference on Privacy and

Data Protection' (2009–2016).

- Member of ICT Security Commission (IKT-sikkerhetsutvalg) appointed by Norwegian Government to review, *inter alia*, legal safeguards for ICT security in Norway and recommend improvements to these safeguards (2017–2018). Results of Commission's work to be published in NOU series (Norway's Official Report) in December 2018.
- Member of Privacy Commission (Personvernkommissjonen) appointed by Norwegian Government to review privacy protection in Norway and recommend new ways for bolstering such protection (2007–2008). Results of Commission's work published as *Individ og integritet: Personvern i det digitale samfunnet* [Individual and integrity: Privacy protection in the digital society], Norges Offentlige Utredninger [Norway's Official Reports], 2009, no. 1, 296 pages.
- Consultant to European Commission (Directorate-General for Justice, Freedom and Security) with respect to regulatory policy on flow of personal data to countries outside EU (2003–2007; 2009–2011).
- Expert advisor to Norwegian Ministry of Government Administration and Reform with respect to development of Norwegian national policy on information and communications technology (2006).
- Expert advisor to Norwegian Ministry of Justice with respect to revision of Norway's *Personal Data Act* (2005–2006).
- Advisory Board member for (former) Data Protection Research and Policy Group, British Institute of International and Comparative Law (2004–2006).
- Expert advisor to Computer Science and Technology Board of US National Academies with respect to their project 'Privacy in the Information Age' (2003).
- Expert advisor to Norwegian Board of Technology (Teknologirådet) on privacy and data protection issues (2002–2004).
- Expert advisor to Norwegian Data Protection Tribunal (Personvernemnda) on legal meaning of 'personal data' (2002).
- Expert advisor to Norwegian Ministry of Justice and Norwegian Ministry of Trade and Industry with respect to development of national cryptography policy for Norway (2001).
- Expert advisor to Telenor A.S. on development of corporate privacy policy (1998).
- Expert advisor to Nordic Council of Ministers with respect to information security issues (1993).

OTHER POSITIONS

- Member of Asian Privacy Scholars Network (2010–).
- Member of Board of Norwegian Association for Computers and Law (2003–2008).
- Norway's representative on Technical Committee 11 ('Security and Protection of Information Processing Systems') of International Federation for Information Processing (1996–1998).
- Member of Norwegian Computer Association's committee on information security (1994–1996).

PUBLICATIONS

Books / monographs

- *Internet Governance by Contract* (Oxford: Oxford University Press, 2015), 173 pages.

- *Data Privacy Law: An International Perspective* (Oxford: Oxford University Press, 2014), 272 pages.
- *Personvern i informasjonssamfunnet: En innføring i vern av personopplysninger* [Privacy protection in the information society: An introduction to protection of personal information] (Bergen: Fagbokforlaget, 2011, 2nd rev. ed.), 312 pages (co-author: Dag Wiese Schartum).
- *Internet Governance: Infrastructure and Institutions* (Oxford: Oxford University Press, 2009) (principal editor and author), 246 pages.
- *Data Protection Law: Approaching Its Rationale, Logic and Limits* (The Hague / London / New York: Kluwer Law International, 2002), 448 pages.
- *Personvern i praksis: Justisdepartementets behandling av klager på Datatilsynets enkeltvedtak 1980–1996* [Privacy protection in practice: the Norwegian Ministry of Justice's handling of appeals from decisions of the Data Inspectorate] (Oslo: Cappelen Akademisk Forlag, 1997), 256 pages.

Book chapters

- 'Hardwiring Privacy' in Roger Brownsword, Eloise Scotford, Karen Yeung (eds), *The Oxford Handbook of Law, Regulation, and Technology* (Oxford: Oxford University Press, 2017), pp. 754–775.
- 'The Right not to be Subject to Automated Decisions based on Profiling' in Tatiani Synodinou, Philippe Jougleux, Christiana Markou, Thalia Prastitou (eds), *EU Internet Law: Regulation and Enforcement* (Springer, 2017), pp. 77–98 (co-author: Isak Mendoza).
- 'The Predilection for Contract in Internet Governance: A Critical Assessment' in Mira Burri & William Drake (eds), *The Institutionalization of Global Internet Governance: Multistakeholderism, Multilateralism and Beyond* (Cambridge: Cambridge University Press, forthcoming 2018), 25 pages.
- 'Data privacy law and the Internet: policy challenges' in Normann Witzleb, David Lindsay, Moira Paterson and Sharon Rodrick (eds), *Emerging Challenges in Privacy Law: Comparative Perspectives* (Cambridge: Cambridge University Press, 2014), pp. 259–89.
- 'Data Protection vs. Copyright' in Dan Jerker B Svantesson & Stanley Greenstein (eds), *Internationalisation of Law in the Digital Information Society; Nordic Yearbook of Law and Informatics 2010–2012* (Copenhagen: Ex Tuto, 2013), pp. 55–75.
- 'Personvern som lettvekt' [Privacy protection as a lightweight], in Hans Petter Graver, Ida Hjort Kraby & Marius Stub (eds.), *Forsker og formidler. Festskrift til Erik Magnus Boe på 70-årsdagen* (Oslo: Universitetsforlaget, 2013), pp. 88–109.
- 'Contract versus Statute in Internet Governance', in Ian Brown (ed.), *Research Handbook on Governance of the Internet* (Cheltenham: Edward Elgar, 2013), pp. 168–197.
- 'Captain Surveillance v. Mr. X: An Essay on the Semantics and Politics of 'Surveillance Society'', in Dag Wiese Schartum (ed.), *Overvåking i en rettsstat* (Bergen: Fagbokforlaget, 2010), pp. 49–61.
- 'Introduction', in Lee A. Bygrave & Jon Bing (eds.), *Internet Governance: Infrastructure and Institutions* (Oxford: Oxford University Press, 2009), pp. 1–7.
- 'Governors of Internet', in Lee A. Bygrave & Jon Bing (eds.), *Internet Governance: Infrastructure and Institutions* (Oxford: Oxford University Press, 2009), pp. 92–125

- (co-author: Terje Michaelsen).
- ‘The Naming Game: Governance of the Domain Name System’, in Lee A. Bygrave & Jon Bing (eds.), *Internet Governance: Infrastructure and Institutions* (Oxford: Oxford University Press, 2009), pp. 147–212 (co-authors: Susan Schiavetta, Hilde Thunem, Annebeth Lange, Edward Philips).
 - ‘Internet Governance goes Global’, in Lee A. Bygrave & Jon Bing (eds.), *Internet Governance: Infrastructure and Institutions* (Oxford: Oxford University Press, 2009), pp. 213–35 (co-author: Amanda Hubbard).
 - ‘Consent, Proportionality and Collective Power’, in Serge Gutwirth, Yves Poullet, Paul de Hert, Cécile de Terwangne & Sjaak Nouwt (eds.), *Reinventing Data Protection?* (Heidelberg: Springer, 2009) (co-author: Dag Wiese Schartum), pp. 157–73.
 - ‘International Agreements to Protect Personal Data’, in James B. Rule & Graham Greenleaf (eds.), *Global Privacy Protection: The First Generation* (Cheltenham: Edward Elgar, 2008), pp. 15–49.
 - ‘The Meaning of ‘Data’ and Similar Concepts – An Issue of Growing Legal Importance’, in C. Magnusson Sjöberg & P. Wahlgren (eds.), *Festskrift till Peter Seipel* (Stockholm: Norstedts Juridik, 2006), pp. 117–126.
 - ‘Ensuring Respect for Privacy on the Internet’, in *The Right to Privacy – the Right to Dignity : Proceedings of 26th International Conference on Privacy and Personal Data Protection* (Warsaw: Biuro Generalnego Inspektora Ochrony Danych Osobowych, 2005), pp. 273–276.
 - ‘Datakriminalitet’ [Computer crime], in D.W. Schartum & A. Jansen (eds.), *Informasjonssikkerhet. Rettslige krav til sikker bruk av IKT* [Information Security. Legal Requirements for Secure Use of ICT] (Bergen: Fagbokforlaget, 2005), pp. 295–307.
 - ‘Personvern etter 11. september’ [Privacy protection after 11th September], in D. Ekelberg & M. Ludvigsson (eds.), *Frihet – samtalen fortsetter* (Oslo: Civita, 2004), pp. 142–159.
 - ‘Digital Rights Management and Privacy – Legal Aspects in the European Union’, in E. Bekker *et al.* (eds.), *Digital Rights Management: Technological, Economic, Legal and Political Aspects* (Berlin / Heidelberg: Springer, 2003), pp. 418–446.
 - ‘Kryptopolitikk i en brytningstid’ [Cryptography policy in an era of change], in H. Godø (ed.), *IKT etter dotcom-boblen* [ICT after the dot.com-bubble] (Oslo: Gyldendal Akademisk, 2003), pp. 252–278.
 - ‘Where have all the judges gone? Reflections on judicial involvement in developing data protection law’, in P. Wahlgren (ed.), *IT och juristutbildning. Nordisk årsbok i rättsinformatik 2000* [IT and legal education. Nordic yearbook in computers and law 2000] (Stockholm: Jure AB, 2001), pp. 113–125; also published in *Privacy Law & Policy Reporter*, 2000, vol. 7, pp. 11–14, 33–36.
 - ‘Norway’, in M. Henry (ed.), *International Privacy, Publicity and Personality Laws* (London: Butterworths, 2001), pp. 333–346 (co-author: Anne Helen Aarø).
 - ‘Privacy, Data Protection and Copyright: Their Interaction in the Context of Electronic Copyright Management Systems’, in P.B. Hugenholtz (ed.), *Copyright and Electronic Commerce* (The Hague / London / Boston: Kluwer Law International, 2000), pp. 59–124 (co-author: Kamiel Koelman).
 - ‘Informasjon som felles ressurs – mulige konsekvenser for regelverk som berører personvern’ [Information as common resource – possible consequences for legal rules

that concern privacy protection], in Norges forskningsråd [Norwegian Research Council], *Informasjonsteknologi og nye medier i den offentlige informasjonens tjeneste* [Information technology and new media in the service of public information] (Oslo: Norges forskningsråd, 1996), pp. 69–85.

- ‘Reflections on the Rationale for Data Protection Laws’, in J. Bing and O. Torvund (eds.), *25 Years Anniversary Anthology in Computers and Law* (Oslo: TANO, 1995), pp. 3–39 (co-author: Jens Petter Berg).

Articles in refereed journals

- ‘Data Protection by Design and by Default: Deciphering the EU’s Legislative Requirements’, *Oslo Law Review*, 2017, vol. 4(2), pp. 105–120.
- ‘eRegistries: Governance for Electronic Maternal and Child Health Registries’, *BMC Pregnancy and Childbirth*, 2016, vol. 16, p. 279–290 (co-authors: Sonja Myhre, Jane Kaye, Margunn Aanestad, Buthaina Ghanem, Patricia Mechael and Frederik Frøen).
- ‘Information Concepts in Law: Generic Dreams and Definitional Daylight’, *Oxford Journal of Legal Studies*, 2015, vol. 35, pp. 91–120.
- ‘Brazil’s *Marco Civil da Internet*: Does it Live Up to the Hype?’, *Computer Law & Security Review*, vol. 31, p. 120–30 (co-author: Francis Augusto Medeiros).
- ‘A Right to be Forgotten?’, *Communications of the ACM*, 2015, vol. 58, pp. 35–37.
- ‘The Data Difficulty in Database Protection’, *European Intellectual Property Review*, 2013, vol. 35, pp. 25–33.
- ‘30 Years On: The Review of the Council of Europe Data Protection Convention 108’, *Computer Law & Security Review*, 2011, vol. 27, pp. 223–231 (co-authors: Sylvia Kierkegaard, Nigel Waters, Graham Greenleaf, Ian Lloyd, Stephen Saxby).
- ‘The Body as Data? Biobank Regulation via the ‘Back Door’ of Data Protection Law’, *Law, Innovation and Technology*, 2010, vol. 2, pp. 1–25; reprinted in J. Savirimuthu (ed.), *Security and Privacy* (Aldershot: Ashgate, 2015), pp. 359–383 as vol. 3 of the Ashgate Library of Essays on Law and Privacy.
- ‘The Technologisation of Copyright: Implications for Privacy and Related Interests’, *European Intellectual Property Review*, 2002, vol. 24, pp. 51–57; reprinted in B. Fitzgerald (ed.), *Cyberlaw* (Aldershot: Ashgate, 2006), vol. 2, pp. 421–427 as part of the Ashgate International Library of Essays in Law and Legal Theory (Second Series).
- ‘The place of privacy in data protection law’, *University of New South Wales Law Journal*, 2001, vol. 24, no. 1, pp. 277–283.
- ‘Minding the Machine: Article 15 of the EC Data Protection Directive and Automated Profiling’, *Computer Law & Security Review*, 2001, vol. 17, pp. 17–24.
- ‘Balancing data protection and freedom of expression in the context of website publishing – recent Swedish case law’, *Computer Law & Security Review*, 2002, vol. 18, p. 56–58.
- ‘Electronic Agents and Privacy: A Cyberspace Odyssey 2001’, *International Journal of Law and Information Technology*, 2001, vol. 9, pp. 275–294.
- ‘International Consumer Purchases through the Internet: Jurisdictional Issues pursuant to European Law’, *International Journal of Law and Information Technology*, 2000, vol. 8, pp. 99–138 (co-author: Morten Foss).
- ‘Determining Applicable Law pursuant to European Data Protection Legislation’, *Computer Law & Security Review*, 2000, vol. 16, pp. 252–257.
- ‘Data Protection Pursuant to the Right to Privacy in Human Rights Treaties’,

International Journal of Law and Information Technology, 1998, vol. 6, pp. 247–284; reprinted in J. Savirimuthu (ed.), *Security and Privacy* (Aldershot: Ashgate, 2015), pp. 233–270 as vol. 3 of the Ashgate Library of Essays on Law and Privacy.

- ‘The Privacy Act 1988: A Study in the Protection of Privacy and the Protection of Political Power’, *Federal Law Review*, 1990, vol. 19, pp. 128–153.

Articles in non-refereed journals

- ‘Not entirely adequate but far away: Lessons from how Europe sees New Zealand data protection’, *Privacy Laws & Business International Report*, 2011, no. 111, pp. 8–9 (co-author: Graham Greenleaf).
- ‘Privacy and Data Protection in an International Perspective’, *Scandinavian Studies in Law*, 2010, vol. 56, pp. 165–200.
- ‘Strengthening privacy protection in the Internet environment: A modest program of action’, *Privacy Law & Policy Reporter*, 2006, vol. 11, pp. 222–226.
- ‘Tasmania’s privacy law due to start’, *Privacy Law & Policy Reporter*, 2005, vol. 11, pp. 202–203 (co-author: Graham Greenleaf).
- ‘Privacy Protection in a Global Context – A Comparative Overview’, *Scandinavian Studies in Law*, 2004, vol. 47, pp. 319–348.
- ‘EC data protection Directive survives first official review’, *Privacy Law & Policy Reporter*, 2003, vol. 10, pp. 74–76.
- ‘The 1995 EC Directive on data protection under official review – feedback so far’, *Privacy Law & Policy Reporter*, 2002, vol. 9, pp. 126–129.
- ‘Privacy-enhancing technologies – caught between a rock and a hard place’, *Privacy Law & Policy Reporter*, 2002, vol. 9, pp. 135–137.
- ‘A right to privacy for corporations? *Lenah* in an international context’, *Privacy Law & Policy Reporter*, 2002, vol. 8, pp. 130–134.
- ‘Online dispute resolution – what it means for consumers’, *Internet Law Bulletin*, 2002, vol. 4, no. 8, pp. 81–88.
- ‘An international data protection stocktake @ 2000 – Part 2: core principles of data protection’, *Privacy Law & Policy Reporter*, 2001, vol. 7, pp. 169–175.
- ‘An international data protection stocktake @ 2000 – Part 1: regulatory trends’, *Privacy Law & Policy Reporter*, 2000, vol. 6, pp. 129–132.
- ‘Selvbestemmelse til besvær?’ [Self-determination as problem?], *Spor* [Tracks], 2000, no. 3, pp. 5–7.
- ‘Germany’s Teleservices Data Protection Act’, *Privacy Law & Policy Reporter*, 1998, vol. 5, pp. 53–54.
- ‘Data Protection Reform in Scandinavia’, *Privacy Law & Policy Reporter*, 1998, vol. 5, pp. 9–12.

Reports, working papers, submissions

- ‘Transatlantic Tensions on Data Privacy’, Transworld Working Paper 19 (Rome: Istituto Affari Internazionali, April 2013; ISSN 2281-5252), 21 pages, at <http://www.iai.it/pdf/Transworld/TW_WP_19.pdf>.
- *Individ og integritet: Personvern i det digitale samfunnet* [Individual and integrity: Privacy protection in the digital society], Norges Offentlige Utredninger [Norway’s Official Reports], 2009, no. 1, 296 pages (co-authored with members of the Norwegian Privacy Commission (‘Personvernkommissjonen’)).
- ‘Closing the privacy-free zones: An analysis of ALRC proposals concerning Privacy

- Act exemptions’, UNSW Law Research Paper No. 2008-31, 20 pages, <http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1392597> (co-authors: Graham Greenleaf, Nigel Waters).
- ‘Promoting and enforcing privacy principles: An analysis of ALRC proposals for the role of the Privacy Commissioner’, UNSW Law Research Paper No. 2008-23, 23 pages, at <http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1392587> (co-authors: Graham Greenleaf, Nigel Waters).
 - ‘Strengthening uniform privacy principles: An analysis of the ALRC’s proposed principles’, UNSW Law Research Paper No. 2008-17, 92 pages, at <http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1392553> (co-authors: Graham Greenleaf, Nigel Waters).
 - ‘Implementing Privacy Principles: After 20 Years, It’s Time to Enforce the *Privacy Act*’, UNSW Law Research Paper No. 2007-31, 105 pages, at <http://papers.ssrn.com/sol3/papers.cfm?abstract_id=987763> (co-authors: Graham Greenleaf, Nigel Waters).
 - ‘The Adequacy of Protection of Personal Data in Australia’, report commissioned by European Commission (November 2006), 184 pages (co-author: Graham Greenleaf).
 - ‘Utredning av behov for endringer i personopplysningsloven’ [Report on the need for changes to the Personal Data Act], report commissioned by Norwegian Ministry of Justice and Ministry of Modernisation (now Ministry of Government Administration and Reform) (March 2006), 226 pages (co-author: Dag Wiese Schartum).
 - ‘Safe Harbour Decision Implementation Study’, report commissioned by European Commission (April 2004), 263 pages, available at <http://ec.europa.eu/justice/policies/privacy/docs/studies/safe-harbour-2004_en.pdf> (co-authors: J. Dhont, M.V. Pérez Asinari, Y. Pouillet, J.R. Reidenberg).
 - ‘Privacy in an International Context’, report commissioned by US National Academies as part of their study on ‘Privacy in the Information Age’ (November 2003), 25 pages. An edited version of that report has been published (with title ‘International Perspectives on Privacy’) as Appendix B to James Waldo, Herbert S. Lin, & Lynette I. Millett (eds.), *Engaging Privacy and Information Technology in a Digital Age* (Washington, DC: National Academies Press, 2007).
 - ‘Forholdet mellom “biologisk materiale” og “personopplysning”’ [The relationship between ‘biological material’ and ‘personal information’], report commissioned by Norwegian Privacy Protection Tribunal (Personvernemnda) (December 2002), 15 pages, attached to Tribunal’s decision in complaint 8/2002, <http://www.personvernemnda.no/vedtak/2002_8_vedlegg.htm>; also published in V. Still (ed.), *Media – Innovationer – Produktivitet: Rättssäkerheten och teknologin i omvandling* [Media – innovations – productivity: Rule of law and technology in transition] (Stockholm: Jure, 2004), pp. 37–54.
 - ‘Et grunnlag for utvikling av en helhetlig nasjonal kryptopolitikk’ [A basis for developing an holistic national cryptography policy], report commissioned by Norwegian Ministry of Justice and Norwegian Ministry of Trade and Industry, published in *Forvaltningsinformatisk notatserie / Manuscript Series on Information Technology and Administrative Systems*, Univ. of Oslo, 2001, no. 3, 43 pages, <http://www.jus.uio.no/ifp/om/organisasjon/afin/forskning/notatserien/2001/kryptopolitikk_rapport_final.pdf>.
 - ‘Ensuring Right Information on the Right Person(s): Legal Controls of the Quality of Personal Information’, *Manuscript Series on Information Technology and*

Administrative Systems, Univ. of Oslo, 1996, vol. 4, no. 4/96, 23 pages.

- ‘Overview of Norway’s Criminal Justice System’, in *The World Factbook of Criminal Justice Systems*, US Department of Justice, Bureau of Justice Statistics, 1994, available at <<http://bjs.ojp.usdoj.gov/content/pub/ascii/WFBCJNOR.TXT>>.
- ‘Legal Aspects of Information Security in the Nordic Countries’, in Nordic Council of Ministers, *Information Security in Nordic Countries*, Nordiske Seminar- og Arbejdsrapporter 1993:613 (Copenhagen: Nordic Council of Ministers, 1993), Appendix 1.

Book reviews

- Review of G. Greenleaf, *Asian Data Privacy Laws: Trade and Human Rights Perspectives* (Oxford University Press 2014), in *Computer Law & Security Review*, 2016, vol. 32, pp. 794–795.
- Review of M. Klang & A. Murray (eds.), *Human Rights in the Digital Age* (London: The GlassHouse Press, 2004), in *Nordic Journal of Human Rights / Nordisk Tidsskrift for menneskerettigheter*, 2006, vol. 24, pp. 82–86.
- Review of M. Tugendhat QC & I. Christie (eds.), *The Law of Privacy and the Media* (Oxford: Oxford University Press, 2002), in *International Journal of Law and Information Technology*, 2005, vol. 13, pp. 286–289.

Editorship

- *Yulex 2017* (Oslo: Senter for rettsinformatikk), 103 pages.
- *Yulex 2016* (Oslo: Senter for rettsinformatikk), 120 pages.
- *Jon Bing: En hyllest / Jon Bing: A tribute* (Oslo: Gyldendal, 2014), 441 pages (co-edited with Dag Wiese Schartum and Anne Gunn Berge Bekken).
- *Internet Governance: Infrastructure and Institutions* (Oxford: Oxford University Press, 2009), 246 pages.
- *Et tilbakeblikk på fremtiden: Artikler samlet i anledning Jon Bings 60-årsdag* [A look back to the future: articles collected on the occasion of Jon Bing’s 60th birthday] (Oslo: Institutt for rettsinformatikk / UniPub, 2004), 270 pages (co-edited with Olav Torvund).
- *Yulex 2003* (Oslo: Institutt for rettsinformatikk / UniPub, 2003), 85 pages.
- *Yulex 2002* (Oslo: Institutt for rettsinformatikk / UniPub, 2002), 122 pages.
- *Yulex 2001* (Oslo: Institutt for rettsinformatikk / Unipub, 2001), 126 pages.

INVITED CONFERENCE AND SEMINAR PRESENTATIONS (selected)

- ‘Obscure Intelligence, Due Process and Data Protection’, Conference on ‘Artificial Intelligence and Regulation’, Libera Università Internazionale degli Studi Sociali Guido Carli (LUISS Guido Carli), Rome, 2 March 2018.
- ‘Blockchain i energibransjen: Et juridisk perspektiv’, Seminar titled ‘Blockchain’ organized by EnergiNorge, Oslo, 15 February 2018 (co-speaker: Catherine Banet).
- ‘Countering Kafka with Kafka: The Confounding Semantics of EU Data Protection Law’s Attempt to Tackle Algorithmic Regulation’, Workshop on ‘Explainable and Accountable Algorithms’, The Alan Turing Institute, London, 19 January 2018.
- ‘EU Data Policy Developments and Privacy Implications’, *Agricultural Data: Opportunities and Challenges Workshop*, Australian Centre for Intellectual Property in Agriculture, Brisbane, 1 December 2017.
- ‘The Right under EU Law to Object to Automated Decisions Based on Profiling – A

Right for Australia?', Research Seminar, Griffith University, Brisbane, 30 November 2017.

- 'Building the European Data Economy: The Aspirations of Brussels', XXXII Nordic Conference on Legal Informatics, Oslo, 14 November 2017.
- 'Teaching Internet Governance: Challenges and Experiences', ITU-Academia Partnership Meeting: *Developing Skills for the Digital Era*, International Telecommunications Union, Budapest, 19–21 September 2017.
- 'Privacy and Security: Uneasy Bedfellows', Conference on 'E-Volution of Data Protection: Implementation of Data Protection Reform', EU2017.ee event series arranged by Estonian Government as part of its Presidency of the Council of the European Union, Tartu, 7-8 September 2017.
- 'The GDPR's Data Export Regime: Caught between a Rock and Hard Place?', Conference on 'E-Volution of Data Protection: Implementation of Data Protection Reform', EU2017.ee event series arranged by Estonian Government as part of its Presidency of the Council of the European Union, Tartu, 7-8 September 2017.
- 'EU Data Protection Law as Desirable Model for Algorithmic Regulation?', Workshop on 'Algorithmic Regulation', Centre for Technology, Ethics, Law & Society (TELOS), King's College, London and Centre for Analysis of Risk and Regulation (CARR), London School of Economics, London, 3-4 July 2017.
- 'Ensuring Right Information: Legal Controls of Information Quality', Mudgeeraba Lecture 2017, Bond University, Gold Coast, 9 June 2017.
- 'Data Protection by Design: Deciphering the EU's 'New' Data Privacy Norm', Seminar, Queensland University of Technology, Brisbane, 8 June 2017.
- 'Data Protection Regulation in the EU: Impact on Australia and Other Non-European Jurisdictions', Seminar, Australian National University, Canberra, 6 June 2017.
- 'How Does and Will EU Data Protection Law Affect the European Data Economy?', Workshop on 'Building a Data Economy: Is Our Law Fit for Data as Key Economic Asset and Tradeable Item?', European Law Institute and American Law Institute, Vienna, 20 March 2017.
- 'Minding the Machine v 2.0', Asian Privacy Scholars Network 5th International Conference, University of Auckland Business School, Auckland, 14 Dec. 2016.
- 'Hardwiring Privacy in the European Digital Space', 12th International Conference on Internet, Law & Politics, Universitat Oberta de Catalunya, Barcelona, 7 July 2016.
- 'Remedying "Multiple Accountabilities Disorder": The Case of ICANN', National Internet Governance Forum, Oslo, 25 November 2015.
- 'Digitalization and Securitization of Cyberspace: Legal Challenges', XX Nordic Conference on Law and IT, University of Lapland, Rovaniemi, 19 November 2015.
- 'Enhancing Privacy and Security in Cyberspace: What Role for Europe?', CyCon 2015 (International Conference on Cyber Conflict), NATO Cooperative Cyber Defence Center of Excellence, Tallinn, 28 May 2015.
- 'The Impact of Data Privacy Law on Corporate Structures and Business Models', Keynote speech, Privacy Experts Symposium on 'Bigger Data in a Smaller World', Sydney, 12 December 2014.
- 'EU Data Protection Reform: Parallels to the Form and Fate of the Mammoth', Keynote speech, Symposium on 'The EU Data Protection Reform: Privacy and Consumer Protection', Turin, 7 October 2014.
- 'Privacy as a Cultural Value', Plenary speech, 35th International Conference of Data Protection and Privacy Commissioners ('Privacy: A Compass in a Turbulent World'),

Warsaw, 25 September 2013.

- ‘New Privacy Developments in Europe’, LawTechTalk, Cyberspace Law and Policy Centre, University of New South Wales, Sydney, 23 July 2013.
- ‘The Predilection for Contract in Internet Governance: Boon or Bane?’, TILT Lecture on Law, Technology and Society, Faculty of Law, Tilburg University, 30 January 2013.
- ‘Data Protection versus Copyright’, XXVII Nordic Conference on Law and IT (‘Internationalisation of law in the digital information society’), Berns Salonger, Stockholm, 22 November 2012.
- ‘The Legal Environment for the Internet in Norway’, 12th Meeting of the ICANN Studienkreis, Oslo, 23 August 2012.
- ‘Contractual Aspects of Internet Governance’, Seminar for Global Governance Programme, European University Institute, Florence, 23 May 2012.
- ‘EU Data Protection Law and Third Countries’, Workshop on Revision of the EU Data Protection Directive, Centre for European Law, University of Cambridge, 20 April 2012.
- ‘The Predilection for Contract in Internet Governance: Its Rationale and Limits’, College of Law Seminar, Australian National University, 27 October 2011.
- ‘What is ‘Data’ in Data Protection Law? Implications for Propertisation Debate’, TILT Lecture on Law, Technology and Society, Faculty of Law, Tilburg University, 16 February 2011.
- ‘Reflections on the Interplay of Policy, Information and Technology, with the Concept of ‘iGovernment’ as Point of Departure’, Oxford Internet Institute (OII) Policy Forum, University of Oxford, 19 May 2010 (co-arranged by OII and Dutch Scientific Council for Government Policy).
- ‘The Semantics and Politics of ‘Surveillance Society’’, XXIV Nordic Conference on Law and IT (‘Overvåking i en rettsstat’), Hotel Bristol, Oslo, 12 November 2009.
- ‘Legal Aspects of WHOIS Databases’, 36th Meeting of the Internet Corporation for Assigned Names and Numbers, Seoul, 27 October 2009.
- ‘Bolstering Privacy and Tackling Surveillance in Norway: The Work of the Norwegian Privacy Commission’, seminar on ‘Surveillance: Governance, Regulation, Control’, University of Edinburgh, 6 May 2009.
- ‘How to Build Privacy Protection: A Present Day View of Choices and Difficulties’, XXIII Nordic Conference on Law and IT (‘IT Regulations and Policies – From Theory into Practice’), University of Stockholm, 19 November 2008.
- ‘The Data Retention Directive in the Norwegian Legal Context’, international conference on ‘The Data Retention Directive: Will it make a Difference?’, University of Bergen, 14 May 2008.
- Oral evidence to UK House of Lords Constitution Committee as part of its inquiry into the ‘Impact of Surveillance and Data Collection upon the Privacy of Citizens and their relationship with the State’, House of Lords, Westminster, London, 5 March 2008; published in the Committee’s report (*Surveillance: Citizens and the State*, Second Report of 2008–09, HL Paper 18 (London: HMSO, 2009), Vol. II, pp. 186–94).
- ‘Consent versus Proportionality Principle: Are the Proportions Right?’, international conference on ‘Reinventing Data Protection?’, deBuren, Brussels, 12 October 2007 (co-presenter: Dag Wiese Schartum).
- ‘Governance of the Domain Name System – Overview of Players and Processes’, international conference on ‘Netting the Net – Key Issues in Internet Governance’,

- University of Oslo and UNINETT Norid AS, Oslo Congress Centre, 18 October 2006.
- ‘Online Alternative Dispute Resolution: Assessing the Last 5 Years of Development’, 20th Anniversary Conference of IFCLA (International Federation of Computer Law Associations) on ‘IT Law – The Global Future’, Amsterdam, 1 June 2006.
 - ‘Technological Protection Measures: The New Privateers’, international conference on ‘Markets and Innovation in the Society of Knowledge’, University of Oslo, 16 May 2006.
 - ‘Protecting Sensitive Personal Data: Scandinavian Perspectives and Marked Differences within the EU’, seminar on ‘Data Protection Directive: Ten Years On’, Linklaters and British Institute of International and Comparative Law, London, 30 November 2005.
 - ‘The impact of DRMS on user privacy interests’, international workshop on ‘The Future of Copyright in the Digital Age, Universitat Illes Balears, Palma de Mallorca, 7 October 2005.
 - ‘Reflections on Airport Security and Its Social Aspects from a Scandinavian Perspective’, international workshop on ‘Social and Economic Aspects of an Airport Security Scenario’, University of Tilburg, 1 April 2005.
 - ‘Hvordan vil teknologitvillingen prege vårt samfunn i 5-10 års perspektiv?’ [How will technological development impact upon our society in a 5-10 year perspective?], conference of Norwegian Ministry of Justice on future role of police, Oslo, 16 March 2005.
 - Invited panelist in session ‘DRM between Consumer Expectations and Consumer Rights’, 3rd Digital Rights Management Conference, Berlin, 13 January 2005.
 - ‘De juridiske rammene for personvern og konsumentrettigheter i transport’ [The legal framework for privacy protection and consumer rights in transport], seminar of Nordic Council of Ministers on ‘Retningslinjer for personvern og forbrukerrettigheter i transport’, Oslo, 15 November 2004.
 - ‘Ensuring Respect for Privacy on the Internet’, 26th International Conference on Privacy and Data Protection, Wroclaw, Poland, 15 September 2004.
 - ‘Enforcement and Cross-Jurisdictional Issues with Respect to Data Protection Law’, British Institute of International and Comparative Law, London, 9 March 2004.
 - ‘The Body as Data? Reflections on the Relationship of Data Privacy Law with the Human Body’, international conference on ‘The Body as Data’, Federation Centre, Melbourne, 8 September 2003.
 - ‘The issue of ‘data’ in data protection and intellectual property law’, Columbanus Symposium 2003 on ‘Database Protection and Freedom of Speech’, University of Oslo, 30 August 2003.
 - ‘Protection of Personal Data – An Historical Overview’, international conference on ‘Data Protection in the EU’, European Institute, Łódź, Poland, 18–19 November 2002.
 - ‘Privacy-Enhancing Technologies: Caught Between a Rock and a Hard Place’, international conference organised by European Commission on ‘Implementation of Directive 95/46/EC’, Brussels, 30 September 2002.
 - ‘Online Dispute Resolution – What It Means for Consumers’, conference on ‘Domain Name Systems and Internet Governance’, Grace Hotel, Sydney, 7 May 2002.
 - ‘The Regulation of Electronic Agents: Privacy and Other Implications’, conference on ‘Hong Kong IT Law in a Global Perspective: E-Commerce, Consumers and Citizens’, Hotel Furama, Hong Kong, 4 October 2001.
 - ‘The Technologisation of Copyright: Implications for Privacy and Related Interests’,

symposium on ‘Data Protection and Intellectual Property on the Internet’,
Internationales Congress Centrum, Berlin, 27 August 2001.

- ‘The European Consumer Rights Perspective on Online Dispute Resolution’, forum on ‘Alternative Online Dispute Resolution’, University of Münster, 22 June 2001.

REVIEWS / ASSESSMENT / REFEREE ACTIVITY

- Assessor of 1 PhD thesis, European University Institute, Italy (June 2014).
- Assessor of 1 PhD thesis, University of Umeå, Sweden (June 2014).
- Assessor of 2 PhD theses, University of Tilburg, The Netherlands (Dec. 2010; Dec. 2012).
- External reviewer for the Luxembourg Research Council (Fonds National de la Recherche) with respect to research project application, May 2007.
- External assessor for the Netherlands Research Council with respect to doctoral research project applications, October 2004 and January 2009.
- Peer reviewer for *Oxford University Commonwealth Law Journal* (January 2006), *Hong Kong Law Journal* (September 2002), *Tasmanian Law Review* (May 2002), *SCRIPT-ed* (November 2004, December 2005), *University of Ottawa Law & Technology Journal* (August 2005), *University of New South Wales Law Journal* (September 2005); *Journal of Information, Law & Technology* (June 2009); *Surveillance & Society* (October 2011); *Melbourne University Law Review* (July 2016); *World Trade Review* (August 2017).

TEACHING

(i) University of Oslo, Faculty of Law:

- Director of LL.M. 18-month program on Information and Communication Technology Law (2002 –).
- Director of, and co-lecturer, in semester course ‘Intellectual Property Law in the Information Society’ (2012 –).
- Principal lecturer in semester course ‘Privacy and Data Protection’ (2013 –).
- Principal lecturer in semester course ‘Privacy, Data Protection and Lex Informatica’ (2003 – 2012).
- Director of, and co-lecturer in, semester course ‘English Law of Contract’ (2005 –).
- Director of, and co-lecturer in, semester course ‘Intellectual Property and Information Technology in a European and International Perspective’ (2002 – 2011).
- Director of, and co-lecturer in, semester course ‘Electronic Communications Law (2012 –).
- Director of, and co-lecturer in, semester course ‘Internet Governance’ (2012 –)
- Director of, and co-lecturer in, semester course ‘Electronic Communications Law and Internet Governance’ (2005 – 2011).
- Co-lecturer in semester course ‘Rettskilder til fots (privatrettslig del)’ [Legal sources by foot (private law part)] (2004 – 2010).
- Co-lecturer in semester course ‘E-commerce law’ (2003 – 2005).
- Principal lecturer in semester course ‘Law on Data Protection and Internet Governance’ (spring semester 2001).
- Principal lecturer in semester course ‘Computers and Law’ (spring semester 1997).

(ii) University of Tartu, Faculty of Law:

- Guest lecturer for LL.M. course in Law and Information Technology (Sept. 2015,

2016, 2017).

(iii) University of New South Wales, Faculty of Law:

- Principal lecturer in 'Information Technology Law' (Semester 1, 2002).
- Co-lecturer in 'Data Surveillance & Information Privacy Law' (Semester 1, 2002).
- Co-lecturer in 'Information Technology Law' (Semester 1, 2000).

(iv) University of Vienna, Faculty of Law:

- Principal lecturer in 'Data Protection Law in an International Perspective: Developments and Challenges' (spring semesters 2001, 2003)

(v) University of Stockholm, Faculty of Law:

- Guest lecturer for LL.M. course in Law and Information Technology (Sept. 2001, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010).

(vi) University of Tilburg, Faculty of Law:

- Principal lecturer for course in 'Privacy, Identification and Identity Theft in an Online Society' (Nov. 2004).

(vii) Southern Cross University, School of Law and Justice:

- Co-lecturer in 'Privacy Law and the Private Sector', Byron Bay Summer Law School (Dec. 2001).

(viii) Gjøvik University College:

- Principle lecturer in 'Cybercrime', unit for Master degree course in Information Security (spring semesters of 2003, 2004).

(ix) Norwegian School of Economics and Business Administration:

- Guest lecturer for Master course in Electronic Commerce (Sept. 2001).
- Guest lecturer for Master course in Data Privacy Law (Sept. 2017).

Supervision of students

- Principal supervisor of Emily Weitzenböck, University of Oslo, with respect to Ph.D. thesis (successfully completed) on legal issues concerning dynamic networked organisations (2004–2010).
- Principal supervisor of Yue Liu, University of Oslo, with respect to Ph.D. thesis (successfully completed) on legal regulation of biometric systems for identification and authentication (2005–2010).
- Co-supervisor of Susan Schiavetti, University of Oslo, with respect to Ph.D. thesis (successfully completed) on electronic alternative dispute resolution (2003–2007).
- Co-supervisor of Inger Marie Sunde, University of Oslo, with respect to Ph.D. thesis (successfully completed) on cybercrime (2005–2010).
- Co-supervisor of Thomas Olsen, University of Oslo, with respect to Ph.D. thesis (successfully completed) on systems for privacy-enhancing identity management (2008–2009).
- Co-supervisor of Dan Svantesson, University of New South Wales, with respect to Ph.D. thesis (successfully completed) on jurisdictional issues arising from Internet transactions (2001–2003).

- Co-supervisor of Olga Mironenko, University of Oslo, with respect to Ph.D. thesis (successfully completed) on data protection and security in civil aviation (2011–2016).
- Principal supervisor of Kevin McGillivray, University of Oslo, with respect to Ph.D. thesis (work in progress) on contractual aspects of cloud computing (2012–).
- Principal supervisor of Samson Esayas, University of Oslo, with respect to Ph.D. thesis (work in progress) on the interaction of competition law with data privacy law (2015–).
- Principal supervisor of Worku Gedefa Urgessa, University of Oslo, with respect to Ph.D. thesis (work in progress) on role of intergovernmental organisations in governance of critical internet infrastructure (2017–).
- Principal supervisor of Luca Tosoni, University of Oslo, with respect to Ph.D. thesis (work in progress) on legal regulation of cybercrime (2017–).
- Principal supervisor of numerous undergraduate and LL.M. law students both at University of Oslo and University of New South Wales.

Course review

- External reviewer of LL.B./J.D. courses LAWS2222 (Intellectual Property), LAWS2245 (Information Technology Law) and LAWS2251 (Legislative Drafting and Technology), College of Law, Australian National University (2011).
- External reviewer of LL.M. courses ‘Internet Governance: The Law/Technology Interface’, ‘Human Rights and Cyberspace’, ‘Internet Content: Property and Liability’, Faculty of Law, University of Hong Kong (2002 – 2003).

MISCELLANEOUS

- Member of Australian National Cross-Country Ski Team (1985 – 1989); competed in Nordic World Skiing Championships in Oberstdorf (1987) and Lahti (1989).
- Oboist in Canberra Youth Orchestra and Canberra School of Music Orchestra (1982 – 1985).
- Captain of Canberra Schools’ debating team (1979); silver medallist at Australian National Schools Debating Championship, Gold Coast, Queensland (1979).