

# Curriculum Vitae

**Dr. mr. C.N.J. (Kees) de Vey Mestdagh (\*07-01-1958)**

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## I. Education:

### Doctor of Philosophy (Ph.D) (1997)

*University of Groningen, The Netherlands.* Supervisors: Prof. H. Franken & prof. H.J. van den Herik.  
Dissertation: *Legal Expert Systems, experts or expedients? (orig. Juridische Kennissystemen, rekentuijg of rekenmeester?).*  
Contents: Creation of a theory, a logic and a computer model of legal knowledge. Implementation as a knowledge based computer system. Empirical test of the system against 430 cases in Environmental Permit Law.

### Master of Laws (LL.M) Private Law and Socio-economic Law (1985)

*University of Groningen, The Netherlands.* LawThesis: Patenting software in Europe (dualism vs. materialism).

### Bachelor of Science in Psychology (BS Psych.) (1983)

*University of Groningen, The Netherlands (1983).* Specialization: Cognitive Psychology.

## II. Academic and Professional Experience (2001-2020):

**Head of the Software Borg Institute (2018-2020).** I am responsible for the Educational and Research & Development programmes of the Institute, see <http://softwareborginstituut.nl/>.

**Chairman of the Foundation for Law and ICT (2017-2020).** The Foundation initiates and coordinates education and research in the field of Law & ICT. My work is mainly directed at IT-law and Legal Engineering. <http://law-and-ict.org/home/>

**Associate professor of Law and ICT (2001-2017).** *Head of the Centre for Law and ICT, University of Groningen, the Netherlands.* The Centre offered a bachelor and a master in Law&ICT and hosted research in the fields of IT-Law, Internet Governance and Legal Information Science, inter alia in the research programmes Protecting European Citizens and Market Participants and Public Interests and Private Relationships.

**Member of the executive board of the dept. of Legal Theory, University of Groningen (2001-2015).**

**Lector of Legal Knowledge Management (2006-2010),** *University and Academy of Amsterdam, Institutes for Legal Education.*

### Manager of/researcher in a series of scientific/governmental/commercial research projects, acquisition of research funding. Inter alia (2007- 2020):

- *A Model of Complexity for the Legal Domain.* A study for the Section Theoretical Information Studies of the IS4SI, Gothenburg, [paper June 2017](#), [book chapter published in 2020](#). See presentations and publications below;
- *The advancement of ICT knowledge in the judicial profession*, research project for the Dutch Council for the Judiciary (*Raad voor de Rechtspraak*), published as a scientific report (January 2018) See publications below;
- *Massive data leaks*. Are we realistic about the facts and impact of massive leaks of classified information?, a comprehensive literature study in cooperation with master and bachelor students Law&ICT and European and International Law at the University of Groningen, the Netherlands, 2016-2017. See presentations and publications below;
- *Survey of priorities in European e-Justice*, research project for the Scientific Research and Documentation Centre of the Dutch Ministry of Justice (WODC), published in October 2016;
- *Autonomous systems*. No, you do not want to travel to Washington at all (orig. Nee hoor, U wilt helemaal niet naar Den Haag). About the law, technology and future of autonomous systems, published in *Ars Aequi* 64(4), 267-280, 2015 (see publications below);

- *International Tax Governance challenged by the Internet economy*, see supervisor PHD studies and publications below.
- *The Organization of the Investigation of Cybercrime by the Dutch Police*. Research project for the research programme Police & Science (Politie en Wetenschap) 2012 (see publications below);
- *ANITA (Administrative Normative Information Transaction Agents)*. The Netherlands Organization for Scientific Research (NWO/ToKeN). The project aimed at automatizing privacy law related decisions in distributed database environments as they exist in (international) police intelligence using intelligent agents. The project resulted in **5 completed PhD studies**, the last one in 2012. See <http://www.nwo.nl/onderzoek-en-resultaten/onderzoeksprojecten/i/85/19985.html>;
- *Disposal of Embedded Data*. NOIV (Ministry of Economic Affairs & Ministry of Internal Affairs) 2011 (see publications below);
- *A Study into the Automation of the Administration of Justice*. WVAR (Ministry of Justice & Council for the Judiciary, 2010 (see publications below);
- *Internet Governance (orig. Staat en Informatietechnologie)*. The Netherlands Organization for Scientific Research (NWO/ITeR). The project resulted in **2 completed PhD studies**, the last one in 2009. See <http://www.nwo.nl/onderzoek-en-resultaten/onderzoeksprojecten/i/24/24724.html>.

### Recent Lectures and Experiments (selection 2016-2020)

- AI, ethics and regulation: AI is the new regulatory tool. Session: Multilevel regulation of AI: are new regulatory tools the future or simply the emperor's new clothes? 18 februari 2020, 16:00 - 17:30. Lailec Conference University of Leuven; <http://law-and-ict.org/wp-content/uploads/2020/07/4.-de-Vey-Mestdagh-Lailec-18-februari-2020-bb-KDVM.pdf>;
- A Logical Approach to Third Party Dispute Resolution Prediction, Workshop Artificial Intelligence and Dispute Resolution 9 December 2019, Faculty of Law, University of Cambridge; <http://law-and-ict.org/wp-content/uploads/2020/07/Presentation-A-Logical-Approach-to-Third-Party-Dispute-Resolution-Prediction-ext.pdf>;
- Calculo Ergo Sum, naar een ethiek voor algoritmes en AI. Najaarsvergadering NVvIR 15-10-2019
- Verdienen autonome systemen die onrechtmatig handelen de doodstraf? Seminar kunstmatige intelligentie en ethiek NVvIR Jong 7 maart 2019 Deloitte, Amsterdam;
- Seven lectures on Digital Forensics Law. Hanze University of Applied Sciences, September-October 2018;
- Training Privacy by design. Northern Security Conference, 10-11 September 2018, Leeuwarden;
- Participation with my team in the Blockchaingers Hackaton 2018 (48 hours of programming a solution for the problem of the inheritance of private keys), see <https://blockchaingers.org/teams-2018/blockchain-smarts>;
- The sense and nonsense of blockchain. Mathematical models as contracts. (De zin en onzin van blockchain. Een wiskundig model is een contract). IT Academy College. Het Kasteel, Groningen 19-12-2017. <https://www.youtube.com/watch?v=hy0LP-Avqrc&feature=youtu.be>;
- The Dogmata of Secrecy: Are we Realistic about the Facts and Impact of Massive Leaks of Classified Information? Litteris et Artibus, L'viv, Ukraine 23-11-2017;
- A Model of Complexity for the Legal Domain. IS4SI 2017 Summit Digitalization for a sustainable society. Section Theoretical Information Studies. Gothenburg, Sweden, 14 June 2017;
- What if mathematical models will become and even will generate contracts? (Als wiskundige modellen contracten worden en contracten voortbrengen...). An Innovative Truth, Congres over ICT, Duurzaamheid & Innovatie. Workshop ICT & Reliability. Novio Tech Campus Nijmegen, 19-6-2017;
- Belcampo, Bach and Blockchain (over anonimiteit en identiteit op het Internet). Diskursi, De nacht van het recht. Aa-Kerk Groningen, 1-7-2017 <https://www.blgroningen.nl/agenda/nacht-recht>.
- Blockchain and Fintech: false promises and realistic expectations (Blockchain en Fintech: valse beloften en reële verwachtingen). Nederlandse Vereniging voor Informatietechnologie & Recht (NVvIR). Voorjaarsvergadering, 4 april 2017, Pakhuis de Zwijger, Amsterdam;
- The Five Dogmata of Secrecy or Do Gnomes Exist? International CLI Conference Law and Society in the Digital Era, Session: A Surveillance Society, 17-11-2016, VU, Amsterdam;
- Information Warfare. University Peace Days, RUG, 15-9-2016.

### Supervisor/initiator of a series of PhD studies, inter alia (2007-2020)

- Anne Kamphorst, Online Dispute Resolution – fair trials for consumer disputes in the European internal market, RUG 2021;
- August Fungo, Addressing the tax challenges of the digital economy, RUG 2018;
- Mathieu Paapst, Barriers for Policy Effectiveness, a study into the influence of open source and open standards policies on Dutch procurement practice, RUG 2013;
- Pieter Dijkstra, Automated Support of Regulated Data Exchange, A Multi-Agent Systems Approach, RUG 2012;

- Rudolf Rijgersberg, *The Modern State and Transnational Interdependence, Implications of Globalisation for Democratic Constitutional Governance Examined through the Lens of the Internet*, RUG 2009;
- Jeanne Pia Mifsud Bonnici, *Self-regulation in Cyberspace*, RUG, 2007.

#### **International relations and organization of the scientific community, inter alia**

- Chief editor of the *Journal of Internet Law* (Tijdschrift voor Internetrecht, ISSN: 1875-7766), 2018-2020, <https://denhollander.info/Internetrecht>;
- Member of the International Scientific Board for the symposium *Theoretical Information Studies* at the IS4SI Summit in 2017 in Gothenburg, Sweden;
- Moderator of the *Information Warfare* symposium at the University Peace days, September 15 2016, University of Groningen;
- In June 2016 my Centre for Law & ICT organized a symposium about Blockchain and the Law at the University of Groningen;
- In May 2012 I organized a *transatlantic Conference on Global Online Freedom and Corporate Responsibility* in cooperation with the George Washington University and the US Government Helsinki Commission in Washington D.C. and in cooperation with a Dutch MEP (Marietje Schaake) in the European Parliament, Brussels. See [www.globalonlinefreedom.org](http://www.globalonlinefreedom.org);
- I founded the Foundation for Law&ICT, which organizes knowledge transfer and research in the field of Law&ICT;
- I founded and managed *JURIX*, a foundation that organizes the scientific community in the field of legal information science in the Netherlands and Belgium. It organizes an annual international conference and publishes an annual volume in a series of scientific publications. I organized and chaired several of the international conferences and was editor in chief of several of the annual volumes. In 1999 I was awarded with a *honorary membership* of JURIX.

#### **General expertise and specific skills**

- *Research*: Managing, supervising and carrying out research in the fields of Information Technology Law, Internet Governance and Artificial Intelligence and Law;
- *Teaching*: Managing, developing and teaching bachelor and master programmes and honours courses in these fields of research;
- *Teaching awards*: Lecturer of the year Groningen Law Faculty 2009; Audience award in the University-wide Lecturer of the Year elections 2010;
- *Technical skills*: designing and implementing knowledge based computer systems and logics, inter alia an expert system shell (Argumentator), an Expert System for Environmental Law (ESM), an Expert System for the Notary (KBA), a Logic of Reasonable Inferences, etc.;
- *Languages*: Dutch (fluent C2, mother tongue), English (fluent, C2-C1), German & French (reading fluent C2).

### **III. Selection of recent/upcoming publications/research reports (2009-2020):**

*Introduction to IT-Law* (Series of manuals Law&ICT; Vol. 1) (orig. Inleiding IT-recht). Groningen: Foundation for Law & ICT. ISBN: 9789082304404. <https://www.boekenbestellen.nl/boek/inleiding-it-recht/12745>. Dr. mr. C.N.J. de Vey Mestdagh (red.), mr. F.W.J. van Geelkerken, mr. K. Konings, mr. H.W.J. Smeltekop, mr. J.O. Visser. (3d ed. 2019).

*A Reasonable Model of Complexity for the Legal Domain* (peer reviewed & accepted). Chapter 18 in: *Theoretical Information Studies*. World Scientific Series in Information Studies Volume 11, Edited by: Mark Burgin (University of California, Los AngelesCLA, USA) and Gordana Dodig-Crnkovic (Chalmers University of Technology, Sweden and Mälardalen University, Sweden). World Scientific Publishing Co., New Jersey. pp 435-450 C.N.J. de Vey Mestdagh (2020).

*The advancement of ICT knowledge in the judicial profession*, (Deskundigheidsbevordering ICT in de Rechtspraak. Effectieve leermethoden voor het dichten van de kloof tussen traditionele kennis en technische realiteit). Research project for the Dutch Council for the Judiciary (scientific report). Research Memoranda nr. 1/2018 Jaargang 13. Raad voor de Rechtspraak, 62 pp. Research Memoranda Nummer 1 / 2018 Jaargang 13. <https://www.rechtspraak.nl/SiteCollectionDocuments/RM-2018-1.pdf>. C.N.J. de Vey Mestdagh en T. van Zuijlen (14 Januari 2018).

*Matter and Legal Power* (Goed en beschikingsmacht: over de vernieling van gegevens (en elektriciteit)). Annotatie. Tijdschrift voor Internetrecht, Nr. 3 June 2018, pp. 109-111. C.N.J. de Vey Mestdagh (2018).

- e-Court or the Modern Prometheus vs the Law* (e-Court of de moderne Prometheus vs. het recht, een achterhoedegevecht?) Tijdschrift voor Internetrecht, Nr. 1 March 2018, pp. 12-18. C.N.J. de Vey Mestdagh en A. Kamphorst (2018). <http://law-and-ict.org/wp-content/uploads/2020/07/e-Court-of-de-moderne-Prometheus-nr-1-2018.pdf>.
- A Model of Complexity for the Legal Domain*. In: Proceedings of the IS4SI 2017 Summit Digitalisation for a sustainable society 1, 192., Gothenburg, Sweden 12–16 June 2017. Issue Editor: Gordana Dodig Crnkovic. ISSN 2504-3900. <http://www.mdpi.com/2504-3900/1/3/192> C.N.J. de Vey Mestdagh (2017).
- Massive data leaks*, Are we realistic about the facts and impact of massive leaks of classified information? Proc. of the 2nd International Conference on IT-Law, 17 November 2017, Lviv, Ukraine. Also published in an abridged and translated version as *De dogmata van de geheimhouding. Vereist de toename van het grootschalig lekken van geheime informatie door het Internet meer bevoegdheden of meer toezicht?* Tijdschrift voor Internetrecht nr. 5/6 december 2017, p. 200-205. Dr. mr. C.N.J. de Vey Mestdagh (2017).
- Legal Engineering in the Internet Economy* (orig. Legal Engineering in de Interneteconomie). Redactioneel. Tijdschrift voor Internetrecht, Nr. 2 May 2017, pp. 53-54. C.N.J. de Vey Mestdagh (2017).
- Survey of priorities in European e-Justice*, research project for the Scientific Research and Documentation Centre of the Dutch Ministry of Justice (WODC). RUG/Foundation for Law&ICT/WODC, October 2016, 243 pp. <https://www.wodc.nl/onderzoeksdatabase/2591-grensoverschrijdend-rechtsverkeer-in-relatie-tot-e-justice.aspx> C.N.J. de Vey Mestdagh et al. (2016).
- Five dogmas of the religion of secrecy*. (orig. De vijf dogma's van de geheimhoudingsreligie). Tijdschrift voor Internetrecht, Nr. 4 December 2015, pp. 148-152. C.N.J. de Vey Mestdagh (2015).
- Reasoning and Decision Making in an Inconsistent World: Labeled Logical Varieties as a Tool for Inconsistency Robustness*. In *Intelligent Decision Technologies*; Neves-Silva, R., Jain, L. C., Howlett, R. J., Eds.; Springer, 2015; Smart Innovation, Systems and Technologies, Volume 39, pp. 411-438. [https://link.springer.com/chapter/10.1007/978-3-319-19857-6\\_36](https://link.springer.com/chapter/10.1007/978-3-319-19857-6_36). Vey Mestdagh, C.N.J. de; Burgin, M. (2015).
- No, you do not want to travel to Washington at all* (orig. Nee hoor, U wilt helemaal niet naar Den Haag). About the technology, the law and the future of autonomous systems, especially the self-propelling car, published in *Ars Aequi* 64(4), 267-280. [AA20150267], 2015. C.N.J. de Vey Mestdagh.
- International Tax: Governance challenged by the Internet economy: a paradigm change*. Maandblad Belastingbeschouwingen, 83(9), 348-365. [9]. de Vey Mestdagh, C., & Burgers, I. (2014).
- Introduction to IT-Law* (Series of manuals Law&ICT; Vol. 1) (orig. Inleiding IT-recht). Groningen: Foundation for Law & ICT. ISBN : 9789082304404. <https://www.boekenbestellen.nl/boek/inleiding-it-recht/12745>. de Vey Mestdagh, C (Ed.), Dijkstra, J., Gritter, E., Klingenberg, A., Konings, K., Neppelenbroek, E., & Wolswijk, H. (2d ed. 2016), (3d edition 2018 in production).
- Law in the Digital World*. In *Introduction to IT-law*. (1 ed., pp. 7-20). Groningen: Foundation for Law & ICT. de Vey Mestdagh, C. (2014-2016).
- Privacy law*. In *Introduction to IT-Law*. (2d ed., pp. 21-45). Groningen: Foundation for Law & ICT. de Vey Mestdagh, C. (2014-2016).
- IT for Lawyers: Search and find the Law*. (Series of manuals Law&ICT; Vol. 2) (orig. IT voor Juristen). Groningen: Foundation for Law & ICT. ISBN : 9789082304411. <https://www.boekenbestellen.nl/boek/it-voor-juristen/9789082304411>. de Vey Mestdagh, C. (Ed.), Dijkstra, J., Paapst, M., Bennigsen, I., & van Zuijlen, T. (2d ed. 2016).
- Consistent structuring of inconsistent knowledge*. *Journal of Intelligent Information Systems*, August 2015, Volume 45, Issue 1, pp 5–28. (<https://link.springer.com/article/10.1007/s10844-013-0270-7>). Burgin, M. & de Vey Mestdagh, C. N. J. (2015).
- The Notariat of the future: Trust in the future: notarial TTP services in the information society* (orig. Het notariaat van de toekomst. Vertrouwen in de toekomst). *WPNR Weekblad voor Privaatrecht Notariaat en Registratie*, 145(7029), 735-741. de Vey Mestdagh, C.N.J. (2014).

- The (in)validity of the rationale of administrative decisions and the possibility of improvement by automation.* (Over de (on)deugdelijkheid van de motivering van beschikkingen en de rol die automatisering bij de verbetering daarvan zou kunnen spelen). Onderzoeksrapport voor het PCMO, Ministerie van Binnenlandse Zaken, 13 pp. de Vey Mestdagh, C.N.J. (2013).
- Internet Governance: Policy Networks as a Model for Governance of the Technical Environment.* In: proceedings of the GCLG Conference Governance meets Law, 23-24 June 2011, 9 pp. University of Groningen, 2012. C.N.J. de Vey Mestdagh (2012).
- The Organization of the Investigation of Cybercrime by the Dutch Police (orig. De organisatie van de opsporing van cybercrime door de Nederlandse politie).* Series Police Sciences, nr 43, 72 pp. Police and Science, 2012, ISBN 978-90-3524-611-9. (<https://www.politiewetenschap.nl/publicatie/politiekunde/2012/de-organisatie-van-de-opsporing-van-cybercrime-door-de-nederlandse-politie-112/>). N. Struiksmā, C.N.J. de Vey Mestdagh, H.B. Winter (2012).
- What is Law? From Governance to Government and Back (about the evolution of law).* In: proceedings of the GCLG Conference Governance meets Law, 23-24 June 2011, 9 pp. University of Groningen 2012. C.N.J. de Vey Mestdagh (2011).
- Disposal of Embedded Data (orig. Beschikken over embedded data).* Research report, 46 pp. NOIV (Ministry of Economic Affairs & Ministry of Internal Affairs). (<https://docplayer.nl/5222928-Beschikken-over-embedded-data.html>). C.N.J. de Vey Mestdagh (2011).
- Inconsistent knowledge as a natural phenomenon.* The ranking of reasonable inferences as a computational approach to naturally inconsistent legal theories. In: Dr. Gordana Dodig-Crnkovic (Mälardalen University, Sweden) and Dr. Mark Burgin (UCLA, USA) (eds.). *Information and Computation. Essays on the Scientific and Philosophical Understanding of the Foundations of Information and Computation*, pp 439-476. World Scientific Publishing Co., New Jersey, 2011. ISBN: 978-981-4295-47-5/-7. (<http://www.worldscientific.com/worldscibooks/10.1142/7637>). C.N.J. de Vey Mestdagh & J. H. Hoepman (2011).
- The Representation of Inconsistent Knowledge in Advanced Knowledge Based Systems.* In: Andreas Koenig, Andreas Dengel, Knut Hinkelmann, Koichi Kise, Robert J. Howlett, Lakhmi C. Jain (eds.). *Knowledge-Based and Intelligent Information and Engineering Systems*, vol. 2, pp. 524-537. Springer Verlag, 2011 ISBN 978-3-642-23862-8. ([https://link.springer.com/chapter/10.1007/978-3-642-23863-5\\_54](https://link.springer.com/chapter/10.1007/978-3-642-23863-5_54)). Mark Burgin (UCLA) & Kees (C.N.J.) de Vey Mestdagh (University of Groningen) (2011).
- Internet Governance and Global Self-Regulation. Building Blocks for a General Theory of Self-Regulation.* In: *Legisprudence, International Journal for the Study of Legislation*, ISSN 1752-1467, Volume 4, Number 3, December 2010, pp. 385-404(20). ([https://www.rug.nl/rechten/congressen/archief/2009/oprichtingscongres-nilg/selfreg\\_c9\\_internet\\_governance\\_and\\_global\\_self\\_regulation.pdf](https://www.rug.nl/rechten/congressen/archief/2009/oprichtingscongres-nilg/selfreg_c9_internet_governance_and_global_self_regulation.pdf)). Vey Mestdagh, C.N.J. de & R.F. Rijgersberg (2010).
- A Study into the Automation of the Administration of Justice (orig. Verkennend Onderzoek Automatisering Rechtspraak).* Research report, 3 vols, 162 pp. WVAR (Ministry of Justice & Council for the Judiciary). (<http://law-and-ict.org/wp-content/uploads/2018/04/1.-EindverslagWVAR.pdf>). . C.N.J. de Vey Mestdagh & M. Apistola (2010).
- Learning from the Law Game. The simulation of legal tasks as a teaching method, considerations concerning the cohesion of levels of performance, education and simulation.* In: *Learning in a virtual world*. I.S. Mayer & H.J.G. Warmelink (eds.). Wolf Legal Publisher, p. 67-82. de Vey Mestdagh, C. N. J. (2009).