

This CV was last updated in January 2026

Dirk Hartung

Curriculum Vitae

Singapore Management University
Yong Pung How School of Law
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📄 law.smu.edu.sg/faculty/profile/7931/dirk-hartung



Professional Experience

- 2024/10–Present **Assistant Professor of Law,**
Yong Pung How School of Law, Singapore Management University, Singapore,
Computational Legal Studies, Regulation and Digitalization of the Legal Profession.
- 2020/09–Present **Affiliate,**
Codex – The Stanford Center for Legal Informatics, Stanford Law School, Stanford, CA,
Legal Complexity Science, Natural Language Processing and Law.
- 2020/05–2024/09 **Executive Director and Founder,**
Center for Legal Technology and Data Science, Bucerius Law School, Hamburg,
Computational Legal Studies, Regulation and Digitalization of the Legal Profession.
- 2023/07–Present **Co-Founder,**
dskrpt GmbH, Hamburg,
Digital Learning and Academic Publishing Platform.
- 2018/07–2024/09 **Academic Director,**
Bucerius Law School, Hamburg,
Summer Program Legal Technology and Operations.
- 2017/01–2020/04 **Executive Director Legal Technology,**
Bucerius Law School, Hamburg,
Legal Technology and Operations, Technology Certificate, Legal Tech Essentials.
- 2015/01–2016/12 **Chief of Staff,**
Bucerius Law School, Hamburg,
Digitalization of Research and Teaching, Leadership Support, Public Speaking.
- 2011/04–2015/03 **Research Assistant,**
Irion Media Law, Hamburg,
Press, Media and Data Protection Law, International Civil Procedure, Litigation PR.

Education

- 2026/1 **PhD in Law (Dr. iur.),** *Leibniz University, Hannover,*
Grade: summa cum laude.
- 2014/11 **German State Exam (LL.M. equivalent),** *Hanseatisches Oberlandesgericht, Hamburg,*
Grade: 12.04 (Good – Top 2.5% of Class Nationwide).
- 2013/03 **Bachelor of Laws (LL. B.),** *Bucerius Law School, Hamburg,*
Grade: 11.52 (Good – Rank 5/105).
- 2011 **International Exchange Program,** *Singapore Management University, Singapore,*
Grade: Honours – summa cum laude.
- 2009/10–2014/11 **Legal Studies,** *Bucerius Law School, Hamburg,*
Grade: 14.8 (Good – Rank 1/14).
Specialization: International Trade Law, Conflict of Laws, Comparative Law

The following list contains current publications grouped by publication type and sorted by the year of publication. The identifier in the first row encodes the topic (SLP = Studies of the Legal Profession, CLS = Computational Legal Studies, CompL = Comparative Law) and the order of publication within the topic. Asterisks indicate shared first authorship.

Publications



Monographs

- [SLP15] 2026 **Dirk Hartung**. *Die Deregulierung digitaler Rechtsdienstleistung (Deregulating Digital Legal Services)* Doctoral Dissertation (Dr. iur), forthcoming

Journal Articles

- [CLS10] 2024 Corinna Coupette, **Dirk Hartung**, and Daniel M. Katz. *Legal Hypergraphs*. *Philosophical Transactions of the Royal Society A*, 382: 20230141. doi: [10.1098/rsta.2023.0141](https://doi.org/10.1098/rsta.2023.0141)
- [CLS08] 2023 Corinna Coupette* and **Dirk Hartung***. *Sharing and Caring: Creating a Culture of Constructive Criticism in Computational Legal Studies*. MIT Computational Law Report. doi: [10.48550/arXiv.2205.01071](https://doi.org/10.48550/arXiv.2205.01071)
- [CLS07] 2023 Corinna Coupette, **Dirk Hartung**, Janis Beckedorf, Maximilian Böther, and Daniel M. Katz. *Law Smells: Defining and Detecting Problematic Patterns in Legal Drafting*. *Artificial Intelligence and Law* 31, 335–368. doi: [10.1007/s10506-022-09315-w](https://doi.org/10.1007/s10506-022-09315-w)
- [CompL03] 2022 Corinna Coupette* and **Dirk Hartung***. *Rechtsstrukturvergleichung [Structural Comparative Law]*. *RabelsZ–The Rabel Journal of Comparative and International Private Law* 86.4, 935–975. doi: [10.1628/rabelsz-2022-0082](https://doi.org/10.1628/rabelsz-2022-0082)
- [SLP10] 2022 **Dirk Hartung**. *Priorisierung der Digitalisierung in der Rechtspolitik (Prioritization of Digitalization in Legal Policy)*. *DRiZ (German Judges' Gazette)* 100.9, 360–363.
- [CLS05] 2021 Corinna Coupette*, Janis Beckedorf*, **Dirk Hartung**, Michael J. Bommarito, and Daniel M. Katz. *Measuring Law Over Time: A Network Analytical Framework with an Application to Statutes and Regulations in the United States and Germany*. *Frontiers in Physics* 9, 269:1–269:31. doi: [10.3389/fphy.2021.658463](https://doi.org/10.3389/fphy.2021.658463)
- [CLS03] 2020 Daniel M. Katz*, Corinna Coupette*, Janis Beckedorf*, and **Dirk Hartung***. *Complex Societies and the Growth of the Law*. *Scientific Reports* 10, 18737:1–18737:14. doi: [10.1038/s41598-020-73623-x](https://doi.org/10.1038/s41598-020-73623-x)
- [SLP02] 2017 **Dirk Hartung**. *Juristische Ausbildung in Zeiten der Digitalisierung (Legal Education in Times of Digitalization)*. In: *Anwaltsrevue / Revue de l'avocat* 6/7, 257–262.
- [CompL01] 2014 **Dirk Hartung**. *Unfaire Ausnutzung (Art. 51) im Entwurf für ein Gemeinsames Europäisches Kaufrecht (GEKR) (Unfair Exploitation (Art. 51) in the Draft for a Common European Sales Law (CESL))*. In: *Bucerius Law Journal* 8 (2), 73–79.

Peer-Reviewed Proceedings

- [CLS06] 2022 Ilias Chalkidis, Abhik Jana, **Dirk Hartung**, Michael J. Bommarito, Ion Androutsopoulos, Daniel M. Katz, and Nikolaos Aletras. *LexGLUE: A Benchmark Dataset for Legal Language Understanding in English* In: *Proceedings of the 60th Annual Meeting of the Association for Computational Linguistics (Volume 1: Long Papers)*. Dublin, Ireland: Association for Computational Linguistics, 4310–4330. doi: [10.18653/v1/2022.acl-long.297](https://doi.org/10.18653/v1/2022.acl-long.297)

- [CLS01] 2018 Eugen Ruppert, **Dirk Hartung**, Phillip Sittig, Tjorben Gschwander, Lennart Rönneburg, Tobias Killing, and Chris Biemann. *LawStats–Large-Scale German Court Decision Evaluation Using Web Service Classifiers*. In: Machine Learning and Knowledge Extraction: Second IFIP TC 5, TC 8/WG 8.4, 8.9, TC 12/WG 12.9 International Cross-Domain Conference, CD-MAKE 2018, Hamburg, Germany, Springer, 212–222. DOI: 10.1007/978-3-319-99740-7_14

Book Chapters and Collections

- [SLP] 2026 **Dirk Hartung**. *Regulating AI in Legal Services: Bar Associations, Licensing, and Unauthorized Practice*, In: Judiciary, Technology, and Artificial Intelligence. Ed. by FCJ DY Chandrachud, forthcoming
- [CompL] 2026 **Dirk Hartung**. *L'intelligence artificielle dans les procédures civiles / Artificial Intelligence in Civil Proceedings – National Report Singapore* In: Artificial Intelligence in Civil Proceedings, General Report, General Congress, Berlin, 2026. Ed. by Sławomir Cieślak, Michele Angelo Lupoi and Andrzej Olaś, IACL, forthcoming.
- [SLP13] 2026 **Dirk Hartung**. *Artificial Intelligence in the Administration of Justice* In: Proceedings of the 4th Judicial Roundtable on the Future of Justice . Ed. by CJ Sundaresh Menon and Anselmo Reyes, Hart Publishing, forthcoming.
- [SLP12] 2023 **Dirk Hartung**. *Die nationalsozialistischen Wurzeln des Anwaltsmonopols (The National Socialist Roots of the Lawyer's Monopoly)* In: Unter dem Deckmantel des Rechts – Reader zur kritischen Erinnerungskultur anhand von Paragraphen und Meinungsstreitigkeiten aus dem juristischen Grundstudium (Under the guise of the Law – A guide promoting a culture of critical reflection for new law students). Ed. by AK Zeitgeschichte und Ausbildung, Forum Justizgeschichte e.V., 31–33.
- [SLP11] 2023 **Dirk Hartung**. *Continuing Legal Education in Germany – Digitalization*. In: Continuing Legal Education in Europe. Ed. by Andreas Kellerhals, EIZ Publishing, 15–27
- [CLS04] 2020 **Dirk Hartung**. *Quantitative Legal Research in Germany*. In: Research Handbook on Big Data Law. Ed. by Roland Vogl. Edward Elgar Publishing, 228–252 DOI: 10.4337/9781788972826.00018
- [CLS02] 2020 Janis Beckedorf*, **Dirk Hartung*** and Philip Sittig. *Analyzing high volumes of German court decisions in an interdisciplinary class of law and computer science students*. In: Computational Legal Studies. Ed. by Ryan Whalen. Edward Elgar Publishing, 328–344. DOI: 10.4337/9781788977456.00020
- [SLP06] 2020 Emma Ziercke, **Dirk Hartung** and Klaus S. Hohenstatt *What Does the Digital Revolution Mean for Legal Education*. In: Liquid Legal: Towards a Common Legal Platform. Ed. by Kai Jacob, Dierk Schindler and Roger Strathausen, Springer, 513–535. DOI: 10.1007/978-3-030-48266-4_25
- [SLP04] 2018 **Dirk Hartung**. *Legal Tech Education*. In: Legal Tech – How Technology is Changing the Legal World – A Practitioner's Guide. Ed. by Markus Hartung, Micha-Manuel Bues and Gernot Halbleib, Hart Publishing, 197–202.
- [SLP03] 2018 **Dirk Hartung**. *Judex Calculat – Neue Berufsbilder und Technologie in der juristischen Ausbildung (Judex Calculat – New Legal Professions and Technology in Legal Education)*. In: Legal Tech – The Digitalization of the Legal Market. Ed. by Markus Hartung, Micha-Manuel Bues and Gernot Halbleib. C.H. Beck, 237–244.

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Others

- [SLP14] 2025 **Dirk Hartung*** and Lauritz Gerlach, *Legal Tech Monitor 2025 The Market for Digitalization of Legal Services in Germany* Legal Tech Association. https://legaltechverband.de/wp-content/uploads/2025/03/Legal-Tech-Monitor-2025_EN.pdf
- [CLS11] 2023 Daniel M. Katz*, **Dirk Hartung***, Lauritz Gerlach, Abhik Jana and Michael J. Bommarito *Natural Language Processing in the Legal Domain* DOI: [10.48550/arXiv.2302.12039](https://doi.org/10.48550/arXiv.2302.12039)
- [CLS09] 2023 Chris Biemann*, **Dirk Hartung***, Gerhard Rolletschek* and Tammo Wüsthoff* *Project HILANO – Final Report*. Federal Ministry of Research and Education.
- [SLP09] 2022 **Dirk Hartung**, Florian Brunnader, Christian Veith, Philipp Plog and Tim Wolters. *The Future of Digital Justice* Bucerius Law School / Boston Consulting Group. buceri.us/digitaljustice2022
- [SLP08] 2021 **Dirk Hartung**, Linda Kuschel, Sven Störmann *Schriftliche Stellungnahme zum Antrag: Herausforderungen in der Justiz begegnen. Digitalisierung und Legal Tech in der Lehre vorantreiben. Nachwuchskräfte stärker fördern. Drucksache 17/12052* (Written expert opinion concerning the proposal: "Meeting challenges in the judiciary. Promoting digitalization and legal technology in legal education. Encouraging junior legal professionals. Printed Matter 17/12052). North Rhine-Westphalia State Parliament.
- [SLP07] 2021 **Dirk Hartung**. *Gutachten zur Bedeutung von Legal Technology für die strategische Ausrichtung des Deutschen EDV-Gerichtstags e.V. (Expert Opinion on the Importance of Legal Technology for the German Court Technology Association*. Bucerius Law School.
- [SLP05] 2018 Christian Veith, Nora Tophof*, Tessia Tober*, Meinhard Weizmann, Markus Hartung and **Dirk Hartung***. *Legal Operations: Getting More from In-House Legal Departments and Their Outside Counsel*. Bucerius Law School / Boston Consulting Group. buceri.us/legalops2018
- [CompL02] 2018 **Dirk Hartung**. *Open Legal Data – Country Study Germany* LexisNexis for the Ministry of Justice, United Arab Emirates.
- [SLP01] 2016 Christian Veith, Michael Bandlow, Michael Harnisch, Hariolf Wenzler, Markus Hartung and **Dirk Hartung** *How Legal Technology Will Change the Business of Law* Bucerius Law School / Boston Consulting Group. buceri.us/legaltechstudy2016

Works-In-Progress

- [CLS] 2026 **Dirk Hartung***, Jerrold Soh, Michael J. Bommarito and Daniel M. Katz. *Natural Language Processing in the Legal Domain 2.0*. DOI: [10.48550/arXiv.2302.12039](https://doi.org/10.48550/arXiv.2302.12039)
- [CLS] 2025 Corinna Coupette*, **Dirk Hartung***. *Harnessing Higher-Order Networks to Trace the Development of Legal Doctrine* accepted at NetSci 2025. <https://netsci2025.github.io/parallel/culture-and-technology/>
- [CLS] 2026 **Dirk Hartung***, Jerrold Soh and Daniel M. Katz. *The GPT School of Law – Legal Education in the Age of Artificial Intelligence* To be submitted.
- [CLS] 2026 Corinna Coupette* and **Dirk Hartung***. *The Curvature of Innovation Space: Using Network Geometry to Characterize Patent Complexity beyond Growth* To be submitted.
- [CLS] 2026 Corinna Coupette*, **Dirk Hartung*** and Jerrold Soh. *Towards a Comprehensive Network Model for Legal Systems* To be submitted.

Teaching Experience

University Courses

- Since 2025 **Ethics and Social Responsibility**,
Core Curriculum (2 Credits), SMU – Yong Pung How School of Law.
- Since 2025 **Legal Technology, Operations and Digital Justice**,
Elective (1 Credit), SMU – Yong Pung How School of Law.
- 2025 **Legal Data Science**,
Legal Complexity Summer School, Fondazione Alessandro Volta.
- Since 2024 **Module: Legal Tech**,
LL.M. Program in International Business Law (1,5 ECTS), University of Zürich.
- 2023–2024 **Regulating Emerging Technologies**,
Master of Law and Business Program (2 ECTS), Bucerius Law School.
- 2022–2023 **Introduction to Legal Technology, Operations and Innovation**,
International Exchange Program (2 ECTS), Bucerius Law School.
- Since 2021 **Legal Technology and Operations**,
Master of Law and Business Program (5 ECTS), Bucerius Law School.
- 2020–2024 **Legal Tech Essentials**,
MOOC with 15.000 Participants, Concept and Moderation with D. Katz / J. Soh
Lectures: Legal Technology 101, The Regulation of Legal Services,
Bucerius Law School, IIT Chicago-Kent and Yong Pung How School of Law.
- 2018–2024 **Academic Co-Director**,
Summer Program (10 ECTS), Concept with Prof Daniel M. Katz
Classes: Intro to Legal Technology, Regulating Legal Technology, Legal Operations,
Bucerius Law School.
- 2017–2024 **Siemens Technology Certificate**,
Department of General Studies (10 ECTS),
Classes (including co-taught): Introduction to Computer Science, Introduction to
Data Science, Introduction to Programming, Ethical Issues of the Use of Technology
in Law, Programming Internship: Machine Learning in Law (2 ECTS per class),
Bucerius Law School.
- 2015 **Contract Law II Tutorium**,
*Prof. Karsten Thorn, Chair for Civil Law, Private International and International Commercial
Law, and Comparative Law (4 ECTS)*, Bucerius Law School.

Grants

- 2025-2028 **Tier 2 (amount undisclosed),**
MinLaw Database Project,
Public Research Funding, Co-I.
- 2025-2026 **29.000 SGD total,**
ANU-SMU Joint Grant Programme,
Public Research Funding, Co-PI.
- 2025-2026 **8.000 SGD p.a. (8.000 SGD total),**
Empirical Judicial Research Grant,
Public Research Funding, Co-PI.
- 2021-2024 **20-30.000 € p.a. (50.000 € total),**
Severel Law Firms – Partial Grant for Bucerius Center for Legal Technology and Data Science,
Private Third Party Funding, PI.
- Since 2020 **45-50.000 € p.a. (140.000 € total),**
Severel Law Firms – Partial Grant for Bucerius Legal Tech Essentials,
Private Third Party Funding, PI.
- 2018–2023 **100.000 € p.a. (500.000 € total),**
Large Industrial Corporation – Partial Grant for Bucerius Technology Certificate,
Private Third Party Funding, PI.
- 2019-2022 **25.-100.000€ p.a. (250.000 € total),**
Federal Ministry for Research and Education – Grant for Research Project HILANO,
Public Research Funding, PI.
- 2018-2019 **35.-50.000 € p.a. (85.000 € total),**
International Law Firm – Partial Grant for Summer Program Legal Technology and Operations,
Private Third Party Funding, PI.

Services to the Community

Hiring Committees

- 2020–2022 Professorship in Legal Technology, *University Zürich (UZH)*
- 2016–2017 Professorship in Information and Data Law, *Kühne Logistics University and BLS*

Program Committees

- Since 2026 International Conference on Artificial Intelligence and Law (ICAAIL), *Singapore Management University, Yong Pung How School of Law*
- Since 2025 Computational Legal Studies Workshop, *Singapore Management University, Yong Pung How School of Law and Stanford Law School, CodeX*
- 2021 Physics of Law Conference, *BLS, IIT Chicago-Kent College of Law, King's College London, Vanderbilt Law School*
- 2017, 2019 Transatlantic Law Forum, *BLS and G. Mason University School of Law*

Reviewing

- 2026 Climate Law – A Journal on Climate Change and the Law
- 2025 Cambridge Forum on AI: Law and Governance
- Journal of Public Policy

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- 2024 Nature Communications
- 2023 Philosophical Transactions of the Royal Society
Cambridge Law Journal
- 2022 UKRI – United Kingdom Research and Innovation
M.I.T. Computational Law Report
- 2021 Frontiers in Physics (multiple papers)
The Israel Science Foundation
Nature Scientific Reports

Talks and Presentations

The following talks are a representative selection from the 2022-2023 period in order to not overload this application. I have given 100+ talks since 2016. Invited talks are for an academic, presentations for an industry audience. Presentations of papers at their publication venues (e.g. [C07]) are not listed.

Invited Talks

- 2024/01 *The Use of Artificial Intelligence in Legal Services*, Legal Technology Lecture Series, Law School, University of Passau, Passau.
- 2023/10 *Natural Legal Language Processing and Hypergraphs*, Digital Total Event, Department of Informatics, University of Hamburg, Hamburg.
- 2023/08 *Digital Legal Services and Lawyers of Tomorrow*, Freiburg Law & IT Lecture, Albert Ludwigs University Freiburg, Freiburg.
- 2023/07 *Legal Data Science for Computational Law*, Computational Law Conference, SMU Yong Pung How School of Law, Singapore.
- 2023/07 *Legal Hypergraphs – An Application to Legal Citation and Collaboration Networks*, Computational Legal Studies Workshop, SMU Yong Pung How School of Law, Singapore.
- 2023/06 *Responsible Dissemination of Knowledge Produced with AI*, Elkana Forum on Research with Generative AI, Max-Planck-Society, Berlin.
- 2022/09 *Alternative Academic Careers in Legal Academia*, Legal:Inter:Faces Conference, Center for Interdisciplinary Research, University of Bielefeld, Bielefeld.
- 2022/04 *Complexity and Networks – A Different Perspective on Statutory Law and Regulation*, Hamburg Lectures in Law and Economics, Institute of Law & Economics, University of Hamburg, Hamburg.
- 2022/04 *Breaking the Legal Language Barrier – Thoughts on the State of NLP in Law*, Future Law Conference, CodeX – The Stanford Center for Legal Informatics, Stanford Law School.
- 2022/03 *Sharing and Caring: Creating a Culture of Constructive Criticism in Computational Legal Studies*, Computational Legal Studies Conference, SMU Yong Pung How School of Law, Singapore.

Presentations

- 2025/01 *Collision Course: AI and the Law*, Keynote, SICC 10-years Conference 2025, Singapore.
- 2023/10 *AI Adoption in Legal Protection: Building Trust & Ensuring Reliability*, Legal Protection Internatoinal Congress, Hamburg.
- 2023/09 *Court as a Service not as a Place*, 2023 Conference of the German Court Technology Association, Saarbrücken.
- 2023/08 *Generative AI and Legal NLP*, PWC Singapore, Singapore.
- 2023/08 *Lawyering in the Age of Complexity*, Supreme Court of Singapore, Singapore.
- 2023/08 *Digitalization and Lawyer's Education*, German Federal Bar, Deidesheim.
- 2023/06 *The Impact of AI on the Legal Ecosystem*, International Forum of Sovereign Wealth Funds, London.
- 2023/06 *AI Developments: Impact on (In-House) Lawyers*, Annual Legal Leadership Meeting ArcelorMittal, Ghent.
- 2023/06 *Strategy Options for Legal Protection Insurance*, German Insurance Forum, Leipzig.
- 2022/08 *A Digital Justice for the Future*, Expert Discussion, German National Parliament, Berlin.
- 2022/04 *The Future of Digital Justice*, Federal Ministry of Justice, Berlin.

Awards and Scholarships

- 2023 Fastcase 50, Legal Technology Industry Award.
- 2023 XPRENEURS Program, Technical University of Munich.
- 2021, 2020, 2019 Best E-Learning Award, Best Teaching Award, Innovation Award, Federal Association of Student Representatives.
- 2009–2014 Scholarship, German Academic Scholarship Foundation.

Memberships

- Anglo German Club (AGC)
- Association of European Scholars of Legal Ethics and the Legal Profession
- Berlin Roundtable on Digital Justice
- Bucerius Alumni Association
- European Legal Technology Association (ELTA) – Co-Founder
- German Physical Society (DPG)
- recode.law
- The Center for Computer-Assisted Legal Instruction (CALI)