



# TILT JOINT ANNUAL REPORT

## 2021-2022



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Understanding Society

**Publication**

Tilburg Institute for Law, Technology, and Society (TILT)  
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## About TILT

*The Tilburg Institute for Law, Technology, and Society (TILT) researches and teaches regulation of technologies and technology-related societal innovation.*

### **National and International**

*Established in 1994, TILT has built a serious reputation in research, enabling the development of a leading LLM program in Law & Technology. TILT is a prominent player on the national as well as the international level when it comes to research and education in this particular area. TILT's expertise covers a wide range of topics related to law, regulation, technology, and their normative implications.*

### **Multidisciplinarity**

*TILT is a multidisciplinary research institute, combining law, philosophy, social sciences, public administration and management sciences. This enables us to look at research topics from multiple perspectives and deliver valuable contributions to the existing knowledge in the field of law, technology, and society. TILT's collaborative and open environment stimulates social and intellectual interchange.*

### **Mission**

*TILT's mission is to explore and understand the interplay between technology, regulation and fundamental values/human rights; to study emerging technologies, their impact on the individual and society; and to assess the need for regulation of technologies.*

### **Academic climate**

*TILT is located on the 7th floor of the Montesquieu Building at the Tilburg University Campus. We have a fairly unique composition in being large (around 80 researchers), truly interdisciplinary (combining disciplines such as law, STS, political science, sociology, and economics) and international (with researchers originating from more than 25 countries). The academic environment is very lively, with much interaction and collaboration between researchers, sharing of ideas and constructive commenting on each other's ideas and work. We take our open-door policy seriously, fostering collaboration and camaraderie. Tuesdays hold particular importance as this is the day when reading groups, work in progress discussions, seminars and other meetings are planned, but you will often run into spontaneous discussions and brainstorm-sessions at other times. This congenial atmosphere stimulates social and intellectual interchange.*

### **Topics**

*TILT's expertise covers a wide range of fields related to developments in ICT, robotics, AI and related fields enabled by ICT, including the transformation of the energy, health and financial sectors. Topics include data justice, e-health, data science, AI, automated decision-making,*

*cybercrime, legal analytics, trust, technology adoption and legitimacy, privacy, surveillance, liability, e-evidence, public security, intellectual property rights, competition, networks and innovation, and governance.*

## Foreword

This combined annual report (2021-2022) marks a transition within TILT. 2021 was the last full year in which Ronald Leenes had the pleasure and honour to be at the helm of the academic vessel, TILT. In February 2022, Saskia Lavrijssen took over the helm. In what follows, Ronald first reflects on 2021 and Saskia follows with a reflection on her first year.

### Prof. Ronald Leenes, former Head of Department

*Looking back, I often identified with the (famous) (Twitter) meme showing Captain Haddock remarking ‘What a week, huh?’ to which Tintin responds, ‘Captain, it’s still Wednesday..*

*The COVID pandemic was still with us and many of us spent most of our time at home. The second year of the pandemic was taking its toll and has been difficult for many of us. New staff members, of which we had plenty, only first met the incumbents during a barbeque in September and many must have felt they joined a virtual organisation. We have gained a lot of experience in remote working and teaching and the effects of that will, in my view, be lasting. Being at TILT four or five days a week is unnecessary to get work done, one or two days in the office may suit for the necessary community spirit and engagement with students of all sorts. This is also better for the environment, another growing concern in modern times. But we certainly have lost something compared to the old days, but maybe that is simply how everyone feels as they get older.*

*We have accomplished many things in 2021, not in the least showing that we are capable of providing high quality remote and hybrid education. Our student numbers are still on the rise and that provides opportunities. In terms of research many new projects (EU and nationally funded) were started and some personal grants were won.*

*The department has grown to about 80 members of staff in 2021 and it became clearer than ever that managing such a large group by a Head of Department and managing director with limited administrative support is unsustainable. We set in motion a process to distraite the management tasks to three newly formed research clusters, each lead by a young cluster lead. By the end of the year the teams were running, but the department’s management was falling apart at its seams. Fortunately, Saskia was more than keen to take over the helm after my 7.5 years and was able to build a new management and support team.*

*The last 2 years of my tenure have been tough, but I am glad for what we have achieved together.*

### **Prof. Saskia Lavrijssen, new Head of Department**

I was honoured to take over the helm of Ronald Leenes as the director of TILT in February 2022. I formed a new management team (MT) together with the manager of business operations Bart Schiffelers. I am very grateful to Ronald for the results he achieved and by making sure that TILT has kept its leading position in law, governance and technology research and education in the past years.

The resilience of everyone was stretched to the max during the pandemic and required tremendous efforts of the TILT leadership to keep running the show. Also the Director of Studies Colette Cuijpers had to do everything she could to ensure a smooth transitioning to online education in which many challenges had to be tackled, such as keeping connection with students and the prevention of plagiarism during online exams. Tineke took over the role of Colette in a very smooth way in 2022.

When the lock down ended in February 2022 my main task was to take care everyone felt connected again and to create room for talking about the consequences of the pandemic on personal situations, the care for children, health and workload. Priority was given to the following themes:

- 1) Community building within TILT and the different TILT teams and creating a diverse and inclusive environment;
- 2) Reducing workload;
- 3) Stimulating talent development and the implementation of recognitions and rewards policy.

The TILT MT was effectively supported by the team leaders Eleni Kosta, Linnet Taylor and Inge Graef, who further built their teams and facilitated collaboration within and across the teams in an inspiring way.

Giorgio Monti, TILT's research director until 2023, took the lead in sharpening the research programme in collaboration with the MT, the team leads, our research coordinator (Irene Kamara) and all other TILTies. We sharpened our TILT strategy by creating a long-term perspective on safeguarding the financial stability of TILT and by creating the conditions for an environment in which high-quality education and research is stimulated. We continued with a pilot of hybrid education in the master, which was carefully and positively evaluated in 2022. On that basis we decided to end the pilot and to continue to offer our Master of Law and Technology in a hybrid format.

Despite the challenges that the pandemic and the post-pandemic period raised, I am very proud of what we realized with the TILT team in terms of teaching, research and impact. TILT academics have been awarded some very prestigious grants, such as the Gravitation grant “Algosoc”. We were awarded several collaborative grants, and we organized several seminars and conferences. Some TILTies were awarded personal prizes, and we enlarged and innovated our education and professional learning portfolio in several ways.

Every day I am looking forward to going to the University again, as I am so inspired by this vibrant, inspirational, and enthusiastic group of people. In this report you find an overview of our main research, educational and impact activities in 2021-2022. Enjoy reading it.

Saskia Lavrijssen, director TILT

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# 1. Research

## 1.1 Our research focus for the next years: TILT's Signature Plan

The guiding research strategy for TILT is provided in our 'Signature Plan' on Regulating Socio-Technical Change.

### What does Regulating Socio-Technical Change mean?

There are two ways in which socio-technical change impacts law and regulation. On the one hand, socio-technical change challenges our understanding of law and society and requires us to rethink the legal and regulatory framework (e.g. how do we protect privacy in an era of mass surveillance?, how to adjust liability rules with self-driving cars?). On the other hand, socio-technical change can itself be used to develop novel regulatory tools (e.g. using artificial intelligence to make regulatory decisions). Both of these aspects are discussed in the Signature Plan.

### Which are the overarching questions the Signature Plan research aims to answer?

The Signature Plan is designed to provide a platform for research pertinent to regulating socio-technical change with researchers considering the following overarching questions:

- What are the **challenges** for regulation?
- How is socio-technical change to be **regulated**?
- Who are and who should be the **major actors**?

### Which research methods are used?

The Signature Plan is a multidisciplinary endeavour. Projects within the Signature Plan draw upon and seek to contribute to; methodological approaches within the fields of regulation and governance, philosophy and data ethics, social and technical studies, law and economics, and public administration. Our research seeks to translate, engage, and integrate findings in other disciplines to sharpen our understanding of the legal order. Most projects are largely desk-based research, while a number of projects rely on empirical methods and some on legal analytics.

### How is the research organised in TILT's Signature Plan?

The research in the Signature Plan is divided into three research teams.

- The **governance research team** brings in a multidisciplinary analysis emphasizing the way in which technology impacts on power relations and how those in power use technology. It provides an overarching perspective on the nature of socio-technical change and the role of law and institutions in this new space.
- The **fundamental rights and technology research team** focuses on the relationship between rights and technology with a focus on privacy and data protection, cybercrime and cybersecurity and the relationship between AI and fundamental rights.

- The **competition & innovation research team** focuses on the regulation of innovation with particular attention for digital and energy markets from the perspective of economic regulation, competition law and intellectual property protection.

## 1.2 Governance Team

The Governance team's research collectively frames the governance of technology as a process of arbitrating between different interests according to often-conflicting worldviews. The team looks at this process from different and complementary perspectives, which allows for joint work advancing theory and practice, but also explores how these worldviews and the institutions that enunciate them become constructed, and how they are made real by law, political process, and by other private or informal governance mechanisms.

The team brings together a legal strand of research focusing on law and its interaction with political economy, with a strand involving both philosophical inquiry and social scientific action research where it builds and participates in implementing alternate legal and governance imaginaries for digital technologies and regulation.

Team leader: Prof. Dr. Linnet Taylor

### Governance Team highlights for 2021-2022

**Research:** *Joan Lopez Solano, Siddharth de Souza, Aaron Martin, and Linnet Taylor* published a report for the European Parliament (Panel for the Future of Science and Technology/STOA) on 'Governing data and AI for all: Models for sustainable and just data governance'.

Members of the Governance Team also published a report on Digital disruption and crisis capitalism, commissioned by the European AI Fund as part of its research programme on Tech and COVID, addressing a critical question: 'how have technology firms used the pandemic to expand their reach, change their business strategies and capture new public functions and market positions in Europe?'<sup>1</sup> *Ronald Leenes and Eleni Kosta* published the Research handbook on EU data protection law with Edward Elgar, a collection of articles exploring personal data protection, government-to-business data sharing, data protection as performance-based regulation, privacy and marketing in data-driven business models, data protection and judicial automation, and the role of consent in an algorithmic society.

*Panos Delimatsis & Leonie Reins* edited the Trade and Environmental Law, Edward Elgar Encyclopaedia of Environmental Law series 2021.

*Merel Noorman* published an article on Responsibility and Liability in Artificial Intelligence MIT press.

**Impact:** The work of the ERC Global Data Justice project has been central to the data justice theme adopted by the Global Partnership on AI and appears in the African Union's 2022 Data Policy Framework.

<sup>1</sup> The report is available in open access here: <https://globaldatajustice.org/wp-content/uploads/2022/05/Global-Data-Justice-Digital-disruption-or-crisis-capitalism-03-2022.pdf>

*Siddharth de Souza and Gargi Sharma* completed a podcast series on advocacy and digital rights,<sup>2</sup> and published a playbook for civil society organisations on how digital rights are dovetailing with other rights advocacy.<sup>3</sup>

Finally, the ERC Global Data Justice team did a series of meetings in 2022 with civil society and academic partner organisations on the project's conclusions in New York, Washington DC, Bogota, Edinburgh, Delhi, Bangalore, Johannesburg and Cape Town.

In 2022, the ERC REVEAL project, led by *Panos Delimatsis*, organised an International Workshop on 'The Historical Evolution of the European Telecommunications Standards Institute: Legitimacy Strategies and Dynamics.' The workshop was co-organised by *Stephanie Bijlmakers*, *Olia Kanevskia* (Utrecht Law School) and *Panos Delimatsis*, and gathered a group of scholars and representatives of standardisation organisations and policymakers.

*Siddharth de Souza* and *Abigail de Rijk* were awarded a TiU Grant worth 30K to set up an Access to Justice Tech and Design Lab in 2023. Work on the lab began in 2023, and they are reaching out to interested colleagues for ideas and collaborations.



### 1.3 Fundamental Rights & Technology Team

Researchers in the Fundamental Rights and Technology team focus on a wide array of topics mainly revolving around privacy and data protection, cybercrime and cybersecurity and the relationship between AI and fundamental rights. The common focus is on the relationship between fundamental rights and technology. Researchers in the team approach this relationship in a twofold way: they explore the impact of technology on the existing system of fundamental rights protection, while exploring values and principles embedded in fundamental rights protection and the impact these have on the shaping of (digital) technologies. In this research, the team approaches technology, and its affordances and externalities, not only as a target for regulation, but also as a modality of regulation itself. The research ideas of the team can be grouped into three major problem spaces, each of which can be associated to one of the three major lines of inquiry in the Signature Plan: the what, who, and how of technology regulation. Within each line of inquiry, there is an overarching concern with a fundamental challenge for technology regulation.

Team leader: Prof. Dr. Eleni Kosta

#### Fundamental Rights & Technology Team highlights for 2021-2022

**Research:** *Bart van der Sloot* was awarded a prestigious NWO VENI Grant for his project with the title "The right to be let alone....by yourself." Bart suggests that in the 21st century, the problem is not only that others have access to your data, but also that they have data about you and act upon those data,

<sup>2</sup> <https://globaldatajustice.org/gdj/category/podcast/>

<sup>3</sup> <https://globaldatajustice.org/gdj/2928/>

while you may want to remain oblivious about such information. The hypothesis is that although privacy is aimed at safeguarding identity-formation, the current legal paradigm is insufficiently equipped to address the new types of information-confrontations that emerge in the data-driven environment.<sup>4</sup>

As part of the INTERSCT project, *Lorenzo Dalla Corte* published a paper on proportionality in the data protection jurisprudence of the CJEU at the International Data Privacy Law Journal. INTERSCT is a public private partnership funded by the Dutch National Research Council (NWO) and involves more than twenty organizations in the context of their commitment to the Dutch National Science Agenda. It focuses on R&D and technological innovation for a novel approach to the cyber security of Internet-of-Things.

# INTERSCT.

A new Horizon Europe project on cybersecurity and privacy preserving technologies was awarded to TILT. ENCRYPT stands for ‘scalable and practical privacy-preserving framework.’<sup>5</sup> The project will develop a scalable, practical, adaptable privacy preserving framework, allowing researchers and developers to process data stored in federated cross-border data spaces in a GDPR compliant way. Within this framework, a recommendation engine for citizens and end-users will be developed, providing them with personalised suggestions on privacy preserving technologies depending on the sensitivity of data and the accepted trade-off between the degree of security and the overall system performance. The project has three innovative use cases on healthcare, fintech, and cyberthreat intelligence (CTI). *Irene Kamara* is working as Principal Investigator for the project, together with *Lorenzo Dalla Corte* and *Eleni Kosta*.

**Impact:** *Eleni Kosta* published an expert opinion on the alignment of provisions of the proposal of the European Commission for a Regulation



establishing the Authority for Anti-Money Laundering and Countering the Financing of Terrorism (AMLA) with the European data protection framework, commissioned by the European Parliament’s IMCO Rapporteur for the Anti Money Laundering Authority (AMLA).

*Eleni Kosta* and *Magdalena Brewczyńska* organised an Expert Roundtable on personal data protection in the context of data sharing within AML/CFT Public Private Partnerships. The roundtable was part of the ParTFin project “Public-Private Partnerships on Terrorism Financing.”<sup>6</sup> *Eleni Kosta* and *Irene Kamara*, together with *Sofia Ranchordas* (LUISS) organised an Academic Symposium and a PhD colloquium in Rome in May 2022 on the topic of data retention and national security in Europe.

<sup>4</sup> Read more on this VENI project here <https://bartvandersloot.com/fields%20of%20expertise/the-right-to-be-let-alone-by-yourself.html>

<sup>5</sup> <https://encrypt-project.eu/>

<sup>6</sup> ISFP-2017-AG-TERFIN, EC grant agreement No. 822023



Cybersecurity is a prominent theme within TILT's research. *Lokke Moerel* was interviewed by the Dutch newspaper *Het Financieele Dagblad* about cybersecurity risks and the new EU cybersecurity legislation.<sup>7</sup>

In terms of data protection, *Bart van der Sloot* and *Sascha van Schendel* published a ground-breaking report on 'The influence of (technical) developments on the concept of personal data in relation to the GDPR.' The report was commissioned by the Dutch Ministry of Justice and Security (WODC).<sup>8</sup>

Furthermore, *Lorenzo Dalla Corte* and *Rosamunde Van Brakel* drafted a report on Data protection impact assessment methods for the urban environment, commissioned by the Amsterdam Data Protection Commission (Commissie Persoonsgegevens Amsterdam).

*Bert-Jaap Koops*, *Eleni Kosta*, *Irene Kamara* and *Taner Kuru*, at the initiative of the latter, submitted a position paper to the public consultation on the Guidelines 05/2022 of the European Data Protection Board on the use of facial recognition technology in the area of law enforcement.

## 1.4 Competition & Innovation Team

The research of the Competition & Innovation team focuses on the regulation of innovation in a broad sense, with particular attention to digital and energy markets in light of the major scholarly, policy and legislative debates in these areas at global, European and domestic level. We are faced with new sources of economic and social power in digital markets that have seen major regulatory efforts in recent years, bringing changes to the established competition and intellectual property frameworks. Similarly, the energy transition and the climate emergency require the design of new policies. Bringing energy and digital transitions gives the team the opportunity to consider synergies in how to regulate technological innovations. In terms of the impact of digitization, the reach of the team's work spans across different sectors including energy, digital platforms, health, and agriculture. Considering the strong links with current societal challenges, our research does not only aim to bring about academic insights but also to be of relevance for industry, policymakers, and regulators.

Team leader: Dr. Inge Graef

### Competition & Innovation Team highlights for 2021-2022

**Research:** The Competition & Innovation team started three significant projects, both national and European.

The NWO funded *MEGAMIND* project started in 2021 with *Saskia Lavrijssen* as Principal Investigator for TILT, joined by *Brenda Espinosa Apraez* and *Sascha van Schendel*.

<sup>7</sup> Read the full interview here (in Dutch): <https://fd.nl/samenleving/1461216/je-ziet-de-weerzin-bij-topbestuurders-tegen-het-besef-dat-china-een-cyberisico-is>

<sup>8</sup> <https://repository.wodc.nl/bitstream/handle/20.500.12832/3229/3224-influence-of-technical-developments-on-concept-personal-data-summary.pdf?sequence=3&isAllowed=y>



MEGAMIND stands for ‘MEasuring, GATHERING and MINING Data’. The project will co-develop technology and regulatory measures for the use of AI in the energy transition.

The *VIA AUGUSTA* project started in 2022 with *Saskia Lavrijssen* as Principal Investigator for TILT, joined by *Shanya Ruhela* as postdoctoral researcher and *Shakya Wickramanayake* as PhD researcher. The project is funded by

NWO/NGInfra and investigates how to develop a systems-of-systems approach towards infrastructure management.

The *INCA Horizon Europe project* started in 2022 with *Inge Graef* as Principal Investigator for TILT, together with *Sunimal Mendis*. INCA stands for ‘INcrease Corporate political responsibility and Accountability’. The project investigates from a multidisciplinary perspective what impact digital platforms have on European democracies and institutions.



In terms of publications, the Competition & Innovation team members published several books, including the book of *Pier Luigi Parcu, Giorgio Monti & Marco Botta* (editors) on *The Interaction of Competition Law and Sector Regulation: Emerging Trends at the National and EU Level*, published by Edward Elgar in 2022.

*Tjaša Petročnik* edited a special issue of the *Technology and Regulation (TechReg)* journal on the *European Health Data Space* and *Inge Graef* edited a special issue of the *Computer Law Security Review* on *Regulating digital markets: enforcement and remedies*.

**Impact:** *Giorgio Monti, Thomas Tombal & Inge Graef* co-authored a study for developing criteria for assessing “reasonable compensation” in the case of statutory data access rights, commissioned by the European Commission’s Directorate-General Justice and Consumers.<sup>9</sup>

TILT has a strong profile in energy law, researching the need for the regulation of energy markets, currently with a special focus on sustainable hydrogen markets and the digitalization of energy markets. In this framework, the first *Dutch-German Forum on Comparative and European Energy Law (FCEEL)* on security of gas supply, was organized by *Max Baumgart* as a starting point for a new platform for discussing recent developments in energy between academia and practice.

Furthermore, *Giorgio Monti* was involved in a number of reports in 2021 and 2022 about the implementation of the Digital Markets Act for Brussels-based think tank CERRE.<sup>10</sup>

Finally, *Saskia Lavrijssen* led a study for the Municipality of Rotterdam and rail company RET in 2021 regarding the legal aspects of using the electricity and network capacity of the tram and metro network for rechargeable buses and cars.<sup>11</sup>

<sup>9</sup> <https://op.europa.eu/en/publication-detail/-/publication/599678d8-79d2-11ed-9887-01aa75ed71a1/language-en/format-PDF/source-277469567>

<sup>10</sup> <https://cerre.eu/biographies/giorgio-monti/>

<sup>11</sup> <https://www.tilburguniversity.edu/nl/actueel/persberichten/juristen-tilburg-university-railbedrijf-ret-kan-elektriciteitshub-worden-voor-bussen-en-autos>

## 1.5 Cross-team research on the spotlight

### 1.5.1 The Algorithmic Society: ALGOSOC project

*Corien Prins* led TILT 's efforts in a consortium headed by UvA that won the NWO Gravitation Grant. With Gravitation, the government stimulates excellent research in the Netherlands. It is intended for scientific consortia that have the potential to become world leaders in their field. The program in which *Corien Prins, Eleni Kosta, Linnet Taylor, together with Esther Keymolen and Floris Bex* will be involved, *the algorithmic society (ALGOSOC)*, is worth over 30 million EURO. The Gravitation program enables them to conduct top university research and multidisciplinary collaboration for ten years.

Do you want to know more? <https://algosoc.org/>

# AlgoSoc /

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### 1.5.2 Research on non-discrimination by design

*Bart van der Sloot, Esther Keymolen, Merel Noorman*, together with other researchers from Eindhoven University of Technology, Vrije Universiteit Brussel and the Netherlands Institute for Human Rights published a Handbook on non-discrimination by design. The research was commissioned by the Ministry of Interior in The Netherlands. The researchers compiled a guide that explains step-by-step how organizations that want to use artificial intelligence can prevent their algorithms from discriminating. The research team looked at technical, legal and organizational conditions that must be taken into account. The guide applies to both the public and private sectors.<sup>12</sup>

### 1.5.3 Sector plan Digital Legal Studies

Digital Legal Studies is a leading research hub that pioneers the understanding of how digital technologies interact with law and justice. Four Dutch law schools participate in the research collaboration, in which they bring their own unique scientific focus and expertise. TILT is the coordinating partner of the consortium and researchers from all TILT research teams participate in the theme “From Regulating Human Behavior to Regulating Data” and its three streams:

Stream 1 ⇨ [Rules in a data-centric regulatory paradigm](#)

Stream 2 ⇨ [Concepts in a data-centric regulatory paradigm](#)

<sup>12</sup> Read more: <https://www.tilburguniversity.edu/nl/over/schools/law/departementen/tilt/onderzoek/handreiking>





## 2. Education

### 2.1. LL.M Law & Technology: hybrid education on campus and online

In the last few years, TILT has increased its involvement in education, both by attracting more students and by being involved in more courses. One of our flagship programmes is the LL.M Law & Technology, which attracts about 150-170 students each year. The intake is spread over two periods: September and January. The program takes regulation of and by technology as a starting point and includes explorations into legal domains such as privacy and data protection, intellectual property and competition law. Our program is popular for the amount of choice it offers to students, who can opt for electives such as Regulation and Governance of AI, Climate Change Law, and Cybercrime. Students are trained in assessing the mutual shaping between regulation, technologies and society, through developing a profound interdisciplinary understanding of technology, law, and society.

In the last few years, we have piloted a completely hybrid Master Law & Technology. After a careful evaluation with both students and staff and taking into account their positive experiences as well as suggestions for improvement, we have decided to become a fully hybrid master from September 2023 onwards. This means that **our students can choose how to attend classes, on-campus or online**. They can for instance decide to study here for one semester and go back to their home country to finish their studies from there. This flexibility is something our students highly appreciate.

At the same time, hybrid education comes with its own challenges, such as an increasing workload for staff, and ensuring interaction of on-campus students and online students alike. For the latter challenge, we have experienced that having an informed zoom moderator helps to encourage interaction and engagement. In addition, we are putting in a lot of effort and time in community building with and amongst our students. The Education Support Team of the Tilburg Law School is very helpful in thinking about challenges like community building. We hope that the decision to remain fully hybrid, in addition to our continuous efforts to improve our (hybrid) education, will result in a growth of our student intake, or at least to a continued stabilization.

### 2.2. Involvement in other bachelor and master programs

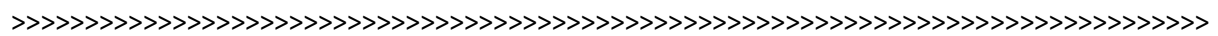
In addition to our Master program, we are involved in other law-based courses such as in the Global Law Bachelor at the Tilburg Law School. The TILT staff teaches a course on Law, Technology, and Society. The aim of this course is to develop students' knowledge of important trends in technological developments to the degree that these developments are relevant for regulation, legislation, and enforcement. In addition, we are involved in the Global Law Bachelor Final Essay.

As TILT we are well-placed to be involved in law and ethics teaching for data science students at the Jheronimus Academy of Data Science (JADS), located in former convent Mariënborg in Den Bosch, as well as in the Joint Bachelor Data Science that the Technical University of Eindhoven and Tilburg University are coordinating together. At JADS, we are involved in the Master Data Science and

Entrepreneurship, as well as the Engineering Doctorate (EngD). In the Joint Bachelor, we teach courses on, for instance, Innovation & Regulation and Data Science Ethics, and we are involved in the Data Challenge courses. One of our focus points both at JADS and in the Joint Bachelor is that we want to ensure that law and ethics teaching are an integral part of the course rather than interesting add-ons, in order to prepare future data scientists well for the wide-ranging ethical, social, and legal issues they will necessarily encounter in their work.

### 2.3. Professional learning programs

Next to Bachelor and Master-level teaching, we are engaged in several programmes in professional learning. We already have a successful PAO in Big Data & AI, which attracts many professionals each semester. At the end of 2022, we designed an additional PAO in energy law, which was eventually successfully launched in 2023.<sup>13</sup>



To summarise, our education of Bachelor and Master students and professional learning is of high-quality and is continuously reflected on to ensure that we improve wherever possible. Our education is something we take immense pride in, and we are pleased to see that our education gets evaluated highly by students and professionals. We look forward to the coming year, in which we will get to invest even more in hybrid teaching, data science teaching, and professional learning.

### 2.4. Messages from the former and new TILT Directors of Studies

#### **Dr. Colette Cuijpers, TILT's former Director of Studies**

After 15 years of coordinating the Master Program Law & Technology, I have stepped down as director of studies at TILT and I have handed over this position to Tineke Broer. I really enjoyed my years as director of studies. It has been challenging at many times as education is a very dynamic process with many moving targets that are in need of constant attention to make sure education is of high quality and both lecturers and students are sufficiently supported. Especially this part of the job is demanding, as with a big group of students and lecturers many issues, also of personal nature, arise. For me helping students that were struggling in successfully completing the program was one of the most rewarding aspects of being a program director. Even though attention in University is often focused at research, providing high quality education to teach the future generation of lawyers should definitely be an equal priority and should be recognized and rewarded as such. We should not treat education as something “on the side” but acknowledge it to be our key task and a very important contribution to society. I am very confident Tineke will offer both lecturers and students the guidance they need and that she will further develop the program in Law & Technology. I wish her all the best

<sup>13</sup> Read more about professional learning offered by TILT:  
<https://www.tilburguniversity.edu/about/schools/law/departments/tilt/education/professional-learning>



in taking up this challenging task and I am glad that as a lecturer I will still be connected to this wonderful program.

#### **Dr. Tineke Broer, TILT's new Director of Studies**

Since March 2022 I have taken over from Colette as TILT's Program Director. I feel privileged to have had such a good predecessor, without which my role would have been much harder. In this brief statement, I'd like to flag a few of the main decisions and challenges that we currently face.

In 2022, we are preparing for the re-accreditation of the program. This will be a good opportunity to reflect on the coming years, and look ahead at where we want the Master to go. In particular, one of the things we are currently thinking about is whether or not to extend hybrid teaching, and/or whether or not to offer an online program in Law & Technology. The self-evaluation report for the re-accreditation will be one good means of taking stock, in addition to the evaluation of TLS of all the hybrid pilots.

Another of my priorities is that of inclusion and cultural diversity, and to utilize different ways of enhancing inclusion and diversity in the classroom and in interactions with students. We will start with a series of workshops about this topic for the entire department.

## 3. Impact

### 3.1. Conferences, workshops, and other events

#### 7<sup>th</sup> edition of TILTING Perspectives conference

TILTING perspectives brought together for the 7th time on May 19-21, 2021 (but this time in a fully online format) researchers, practitioners, policy makers and civil society at the intersection of law, regulation, technology and society to share insights, exchange ideas and formulate, discuss and propose answers to contemporary challenges related to technological innovation.<sup>14</sup>




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**Save the Date: 8-10 July 2024**

**TILTING Perspectives 2024:** Looking back, Moving Forward: Re-assessing Technology Regulation in Digitalised Worlds

In Conjunction with TILT's 30<sup>th</sup> Anniversary

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#### CPDP conference

TILT is a proud partner and co-organiser of the annual Computers, Privacy, and Data Protection Conference. In 2021, we organised a panel on Data Protection in the Countering the Financing of Terrorism and Anti-Money Laundering Framework and the need to align AML and CFT with data protection requirements. In 2022, we organised a panel on the use of Artificial Intelligence in State Surveillance and challenges for privacy. The Global Data Justice ERC Project organised a timely panel on Technology and Power in Times of Crisis. Many TILTies were invited as speakers on other panels, on a variety of topics.

<sup>14</sup> <https://www.tilburguniversity.edu/about/schools/law/departments/tilt/events/tilting-perspectives/2021>

Are you interested in the full list of events we organised and participated? See here: [TILT events](#)

## 3.2. Recognition, appointments, and prizes

### 2021

- CEN CENELEC Standards & Innovation Award, Category Individual Researcher, **Irene Kamara**
- IAPP Westin Scholar Award, **Ana Hriscu**
- Nomination for Tilburg University Impact Award for NWO/NGinfra LONGA VIA project, **Saskia Lavrijssen and Brenda Espinosa Apráez**
- European Data Protection Law Review, Young Scholar award, **Taner Kuru**
- KNAW Gewaardeerd! Chain project, **Esther Keymolen and Gert Meyers**
- KNAW Gewaardeerd! Energietransitie en Klimaatverandering, **Saskia Lavrijssen and Martijn Groenleer**
- In October 2021, **Linnet Taylor** was appointed Professor of International Data Governance. Linnet's research focuses on digital data, representation and democracy, with particular attention to transnational governance issues. As part of this chair, she addresses many issues, including responsibility and accountability with respect to the design and operation of data technologies and how social justice concerns intersect with the governance of data technologies.

### 2022

- **Bart van der Sloot** received the prestigious KNAW Academy Early Career Award.
- EPIP Association Young Scholars Award for the best full paper submitted by PhD students in economics/management and in law, **Lisa Van Dongen**
- In April 2022, **Esther Keymolen** was appointed Professor of Digital Technology Regulation. With her research Esther Keymolen contributes to a conceptual recalibration of key concepts such as responsibility and trustworthiness in the legal domain which is urgently needed in an increasingly data-driven society
- **Eleni Kosta** was selected to join the European Data Protection Board Pool of Experts. The EDPB Pool of Experts is an initiative that helps Supervisory Authorities increase their capacity to supervise and enforce the safeguarding of personal data.
- **Irene Kamara** was appointed member of the CEN-CENELEC Group STAIR on standardisation, innovation, and research, a group that advises the Technical Board of the European Standardisation Organisations CEN and CENELEC on how to connect research and education with standardisation.
- **Ana Hriscu and Taner Kuru** joined the Data Protection Scholars Network (DPSN) as chairs.<sup>15</sup> DPSN facilitates academic exchange between international researchers working in the field of data protection law, in Europe and beyond.

<sup>15</sup> <https://dataprotectionscholars.network/>





## A Miscellaneous

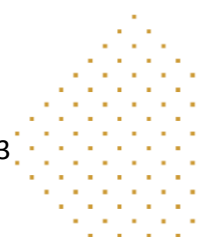
### A.1 Valedictory address of Kees Stuurman

In 2022, prof. Kees Stuurman gave his valedictory address with on “Digital spaces, digital regulations.”<sup>16</sup> Kees was full professor Information Technology Regulation at TILT. He holds a master degree in physics, a master degree in law and a PhD from the Vrije Universiteit Amsterdam on Technical Standards and the Law (Technische normen en het recht, 1995). His research and teaching activities have covered IT-contracting, liability, certification, standardization, data protection, cyber security and AI. Recently he has focused almost entirely on the interplay between technical standards and AI. He was a lead author of the Artificial Intelligence Impact Assessment (2018) and chaired the ECP AI working group. Next to his academic work Kees practiced IT-law for over 30 years. He also held a number of advisory functions and is a member of various oversight boards. Kees had been coordinating and teaching for several years the course Contracts & ICT at the Master Law and Technology, and gave lectures in several other courses, including at the TIAS.

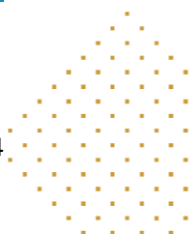
### A.2 Staff and Mobility

TILT staff (31 <sup>st</sup> December 2022)	
Head of Department	Saskia Lavrijssen
Managing Director	Bart Schiffelers
Director of Research	Giorgio Monti
Director of Studies	Tineke Broer
Research Team Leader	Linnet Taylor
Research Team Leader	Eleni Kosta
Research Team Leader	Inge Graef
Research Coordinator	Irene Kamara
PhD officer	Lorenzo Dalla Corte
Project support officer	Cintha Moelands
Project support officer	Sabine van Haren
Science writer	Laura van Gelder
Management assistant	Krisztina Dubach-Pataki
Management assistant	Natalie Meeldijk
Management assistant	Maartje van Genk
Lecturer	Paul Halliday
Lecturer	Haroon Khan
Lecturer	Anushka Mittal
Lecturer	Noelle-Ann Park

<sup>16</sup> <https://research.tilburguniversity.edu/en/publications/digital-spaces-digital-rules>



Lecturer	Abigaïl de Rijp
Governance Team	
Professor	Floris Bex
Professor	Panos Delimatsis
Professor	Esther Keymolen
Professor	Ronald Leenes
Professor	Corien Prins
Professor	Linnet Taylor
Assistant Professor	Konrad Borowicz
Assistant Professor	Tineke Broer
Assistant Professor	Merel Noorman
Assistant Professor	Maurice Schellekens
Researcher	Aviva de Groot
Researcher	Joan Lopez Solano
Researcher	Aaron Martin
Researcher	Gert Meyers
Researcher	Anuj Puri
Researcher	Siddharth de Souza
Researcher	Antonia Stanojevic
PhD Researcher	Shazade Jameson
PhD researcher	Charmian Lim
Fundamental rights & Technology Team	
Professor	Bert-Jaap Koops
Professor	Eleni Kosta
Professor	Lokke Moerel
Associate Professor	Colette Cuijpers
Associate Professor	Paul de Hert
Associate Professor	Bart van der Sloot
Assistant Professor	Lorenzo Dalla Corte
Assistant Professor	Irene Kamara
Researcher	Sascha van Schendel
Researcher	Christina Winters
Researcher	Bo Zhao
PhD researcher	Magdalena Brewczyńska
PhD researcher	Shweta Degalahal
PhD researcher	Ana-Maria Hriscu
PhD researcher	Taner Kuru
PhD researcher	Suzanne Nusselder





PhD researcher	Lisa Rooij
PhD researcher	Emmanouil Roussos
PhD researcher	Aimen Taimur
Competition & Innovation Team	
Professor	Damien Geradin
Professor	Leigh Hancker
Professor	Saskia Lavrijssen
Professor	Giorgio Monti
Associate Professor	Max Baumgart
Assistant Professor	Stephanie Bijlmakers
Assistant Professor	Inge Graef
Assistant Professor	Sunimal Mendis
Researcher	Brenda Espinosa Apraez
Researcher	Thomas Tombal
PhD researcher	Can Atik
PhD researcher	Jasper van den Boom
PhD researcher	Lisa van Dongen
PhD researcher	Leo Gargne
PhD researcher	Olga Hrynkv
PhD researcher	Laura Kaschny
PhD researcher	Tjaša Petročnik
PhD researcher	Shanya Ruhela
PhD researcher	Zuno Verghese
PhD researcher	Shakya Wickramanayake

## Visiting scholars in 2022

Name	Host
<b>Michal Alberstein</b>	Lavrijssen
<b>Kaisa Huhta</b>	Lavrijssen
<b>Tellervo Ala-lahti</b>	Reins
<b>Olga Semenets</b>	Lavrijssen
<b>Esra Gültekin</b>	Noorman
<b>Berdien van der Donk</b>	Graef
<b>Joanna Mazur</b>	Monti
<b>Veronica Mery</b>	Taylor



### A.3 Publications

For a full overview of TILT's publications and research output, visit:  
<https://research.tilburguniversity.edu/en/organisations/tilt>

## Credits

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