



# Opportunities and Challenges in Regulating Robotics and Artificial Intelligence. A comparative approach.

Florence, 18-19 May 2018

**Venue:**

European University Institute  
Department of Law  
Sala del Consiglio, Villa Salviati  
Via Bolognese 156  
50139 Firenze

**Event organised by:**

EUI Law Department  
Tech and Law

**In collaboration with:**

Google  
Tech Policy Lab

## ■ ABSTRACT

The main aim of the conference *Opportunities and Challenges in Regulating Robotics and Artificial Intelligence. A comparative approach* is to give a global comparative perspective on laws and regulations on robotics and artificial intelligence in the European Union and the United States.

The report of the conference will be disseminated among a wide audience, including EU and national policy makers. It will give a general overview of the state of the art of regional regulation/legislation initiatives. Moreover, it will provide practical policy recommendations to regulate new technologies without jeopardizing innovation and social progress.

The conference aims to be a matchmaking environment, to link the private sector with scholars and policymakers and promote dialogue on current and future challenges. A dedicated panel for private sector representatives is envisaged in the program.

The conference will launch a network of academics to support EU policy makers in formulating responsive regulations on robotics and artificial intelligence. The long-term objective is the creation of an observatory involving legal professionals, scientists, security experts and industry representatives. The plan is to repeat this conference every year.

## ■ PROGRAMME

### Friday, 18<sup>th</sup> May 2018

8:30 – 9:00    *Registration and Greetings*

#### Keynote address I

9:00 – 9:30    **Ryan Calo** (University of Washington)

*Artificial Intelligence and Robotics: What Is It and Where Are We Now? State of the Art*

#### Panel I: Autonomy

9:30 – 11:00    **Ian Kerr** (University of Ottawa)

*The Agentic Shift*

**Fiorella Operto** (Scuola di Robotica)

*Roboethical Elements in Autonomous Vehicle*

**Virginia Dignum** (TU Delft)

*Responsible Artificial Intelligence*

Moderator:    **Giovanni Sartor** (European University Institute)

11:00 – 11:15    *Coffee break*

#### Panel II: Liability

11:15 – 12:45    **Andrea Bertolini** (Scuola Superiore Sant'Anna)

*Liability and Risk Management in Robotics and AI: the Problem of Ascertainment and Apportionment*

**Hans Micklitz** (European University Institute)

**Przemysław Palka** (European University Institute)

*Machines consuming consumer law?*

**Corrado Druetta** (Comau)

*H&S, Robotics and Employers' Liability: the Collaborative Way*

**Clementina Barbaro** (Council of Europe)

*The use of artificial intelligence in judicial systems, with regard in particular to the so-called predictive justice*

Moderator:    **Amedeo Santosuosso** (University of Pavia)

12:45 – 14:00 *Lunch (for speakers only)*

## Keynote address II

14:00 – 14:30 **Roberto Viola** (European Commission)

*The EU approach on AI and Robotics*

## Panel III: Data Protection and Cybersecurity

14:30 – 16:00 **Bert-Jaap Koops** (Tilburg University)

*Wanted: smart concepts for smart privacy*

**Lenard Koschwitz** (Allied for Startups)

*Between a presidential rock and a ministerial hard place: AI startups in Europe*

**Margot Kaminski** (Colorado Law School)

*Algorithmic Accountability and the GDPR*

Moderator: **Francesca Bosco** (UNICRI)

16:00 – 16:15 *Coffee break*

## Panel IV: Big Data and AI

16:15 – 17:45 **Paola Mello** (Università di Bologna)

*Artificial Intelligence and Compliance to Regulations in the Big Data era*

**Salvatore Ruggieri** (Università di Pisa)

*Algorithmic accountability of AI*

**Alessandro Mantelero** (Politecnico di Torino)

*Regulating Big Data and AI: the approaches of the Council of Europe and the European Union*

Moderator: **Pier Luigi Parcu** (European University Institute)

17:45 – 18:00 *Recap of the First Day Takeaways*

**Ryan Calo** (University of Washington)

**Giovanni Sartor** (European University Institute)

20:00 *Dinner (for speakers only)*

## Saturday, 19<sup>th</sup> May 2018

### Roundtable: AI and Democracy

- 9:30 – 11:00    **Pier Luigi Parcu** (European University Institute)
- Maciej Kuziemski** (European University Institute)
- Dino Pedreschi** (Università di Pisa)
- Andrea Simoncini** (Università degli Studi di Firenze)
- Alexander Trechsel** (European University Institute)
- Clara Rauchegger** (European University Institute)
- Kate Klonick** (Yale University)
- Moderator:    **Deirdre Curtin** (European University Institute)

### Keynote address III

- 11:00 – 11:30    **Katie Atkinson** (International Association for Artificial Intelligence and Law)
- Reflections on the current and future impact of artificial intelligence on the legal profession*
- 11:30 – 11:45    *Coffee break*

### Panel V: The impact of AI on the legal sector: practical Experience

- 11:45 – 13:15    **Giuseppe Vaciago** (Università degli Studi dell'Insubria)
- Opportunities and Challenges in the Legal Tech Sector*
- Kate Klonick** (Yale University)
- Automated Censorship: Realities and Threats of AI in Content Moderation*
- Camilla Mantelli** (Legalefacile.com)
- Artificial Intelligence trends on the legal sector*
- Moderator:    **Liav Orgad** (European University Institute)
- 13:15 – 14:30    *Lunch (for speakers only)*

## Paper Session

14:30 – 16:30

**Nikita Aggarwal** (University of Oxford)  
*Machine Learning, Big Data and Shifting Information Dynamics in Consumer Credit Markets*

**Gianpiero Negri** (Università degli Studi di Salerno)  
*Challenges and approaches in ethical machines development*

**Inga Ulnicane-Ozolins** (De Montfort University)  
*Emerging EU policies for Artificial Intelligence in a comparative perspective*

**Léonard Van Rompaey** (University of Copenhagen)  
*Legal content losses in algorithmic translations of law*

**Francesca Lagioia** (European University Institute)  
**Giuseppe Contissa** (Università di Bologna)  
*Dr. Watson vs Dr. House*

Moderator: **Maciej Kuziemski** (European University Institute)

16:30 – 16:45 *Recap of the Second Day Takeaways and Conclusions*

**Giuseppe Vaciano** (Università degli Studi dell'Insubria)

**Giovanni Sartor** (European University Institute)

## ■ SPEAKERS

<b>Aggarwal, Nikita</b>	Oxford Internet Institute, University of Oxford, PhD candidate
<b>Atkinson, Katie</b>	International Association for AI and Law, Past-President
<b>Barbaro, Clementina</b>	Council of Europe European Commission for the efficiency of justice (CEPEJ), Head of the Cooperation Unit
<b>Bertolini, Andrea</b>	Scuola Superiore Sant'Anna, Assistant Professor of Law
<b>Bosco, Francesca</b>	United Nations Interregional Crime and Justice Research Institute
<b>Calo, Ryan</b>	University of Washington, Associate Professor
<b>Contissa, Giuseppe</b>	Università di Bologna, Research Associate
<b>Curtin, Deirdre</b>	European University Institute, Professor of European Union Law
<b>Dignum, Virginia</b>	TU Delft, Faculty of Technology, Policy and Management, Associate Professor
<b>Druetta, Corrado</b>	Comau, Legal Counsel
<b>Kaminski, Margot</b>	Colorado Law School, Associate Professor of Law
<b>Kerr, Ian</b>	University of Ottawa, Professor; Canada Chair of Ethics
<b>Klonick, Kate</b>	University of Yale, Resident Fellow at Information Society Project
<b>Koops, Bert-Jaap</b>	Tilburg University, Tilburg Law School, Tilburg Institute for Law, Technology and Society (TILT), Professor
<b>Koschwitz, Lenard</b>	Allied for Startups, Director of European Affairs
<b>Kuziemski, Maciej</b>	European University Institute, School of Transnational Governance, Fellow
<b>Lagioia, Francesca</b>	European University Institute, Max Weber Fellow
<b>Mantelero, Alessandro</b>	Politecnico di Torino, Full-tenured aggregate professor of Law
<b>Mantelli, Camilla</b>	Legalefacile.com, CEO
<b>Mello, Paola</b>	Università di Bologna, Full Professor
<b>Micklitz, Hans</b>	European University Institute, Professor of Economic Law
<b>Negri, Giampiero</b>	Università degli Studi di Salerno, PhD student
<b>Operto, Fiorella</b>	Scuola di Robotica, President
<b>Orgad, Liav</b>	European University Institute, Robert Schuman Centre for Advanced Studies, Director of the 'Global Citizenship Law' Project
<b>Palka, Przemysław</b>	European University Institute, Research Associate

<b>Parcu, Pier Luigi</b>	European University Institute, Director of the Centre for Media Pluralism and Media Freedom
<b>Pedreschi, Dino</b>	Università di Pisa, Professor of Computer Science
<b>Rauchegger, Clara</b>	European University Institute, Max Weber Postdoctoral Fellow
<b>Rompaey Van, Léonard</b>	University of Copenhagen, PhD student
<b>Ruggieri, Salvatore</b>	Università di Pisa, Department of Computer Science, Full Professor
<b>Santosuosso, Amadeo</b>	Università di Pavia, European Centre for Law, Science and New Technologies (ECLT), Director
<b>Sartor, Giovanni</b>	European University Institute, Professor of Legal Theory and Legal Informatics
<b>Simoncini, Andrea</b>	Università degli Studi di Firenze, Department of Law, Ordinary Full Professor
<b>Trechsel, Alexander</b>	European University Institute, Professor of Political Science
<b>Ulnicane-Ozolins, Inga</b>	De Montfort University, Leicester, Research Fellow
<b>Vaciago, Giuseppe</b>	Università degli Studi dell'Insubria
<b>Viola, Roberto</b>	European Commission, Directorate for Communications Networks, Content and Technology (DG CNECT), Director General