



EUROPE REGULATES ROBOTICS

Pisa, 27th-28th September 2018*



Sant'Anna
School of Advanced Studies - Pisa



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Scuola Superiore Sant'Anna, Aula Magna

Piazza Martiri della Libertà, 33

56127, Pisa, Italy



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Erasmus+ Programme
of the European Union



**Festival
Internazionale
della Robotica**

*Final conference of the Jean Monnet Module "Europe Regulates Robotics", organized with the support of the Horizon 2020-Project INBOTS, the DIRPOLIS Institute of the Scuola Superiore Sant'Anna, and the University of Pisa, Department of Law – DETECT (Centro Interdipartimentale Diritto e Tecnologie di Frontiera), within the 2nd edition of the International Robotics Festival (Pisa 27th September – 3rd October), that won the 2017 medal of the President of the Italian Republic, with over 10.000 attendances.

CONFERENCE DESCRIPTION

The Conference constitutes the final event of the **Jean Monnet Module “Europe Regulates Robotics”**, a three-year long project funded by the Erasmus+ Programme (EAC/A04/2014). The Module draws on the experience of **“Robolaw: Regulating Emerging Robotic Technologies in Europe: Robotics facing Law and Ethics”** (FP7-SCIENCE-IN-SOCIETY-2011-1), whose results were presented before the **European Parliament JURI Committee** on September 2014, sparking and inspiring the debate that led to the adoption of the **Recommendations to the Commission on Civil Law Rules on Robotics** (2015/2103(INL)).

Since 2015, **the Module** has primarily aimed to **foster an informed and multidisciplinary debate** around the regulation of robotics and AI and its implications in a **legal, ethical and economic perspective**, and to **form academics, policy-makers and professionals in the emerging field of robolaw**.

The Module pursued such goals through a number of **events involving prominent international experts** coming from fields such as law, engineering, political sciences, management, ethics, economics, ethology, and theology, and three editions of the **international summer school “The Regulation of Robotics in Europe”**, that saw the participation of students from some of the most prestigious European Universities, as well as professionals, and policy-makers.

The principles and the methodology adopted by the Jean Monnet Module **embody that “European approach to AI”**, which **aims at boosting the European technological and industrial capacity** and AI uptake across the economy, while **anticipating and addressing socio-economic changes**, and ensuring an **appropriate ethical and legal framework**, based on the Union's values, and in line with the Charter of Fundamental Rights of the EU¹.

The Conference intends to debate about the European Approach to AI and advanced robotics as it emerges from extant legislation, academic, and policy debates, and draw some conclusions on future challenges and perspectives. To this end, it brings together experts from various fields, policy-makers and representatives from the industry, in a two-day event to be hosted by the Scuola Superiore Sant’Anna, in the beautiful setting of its main campus, a fourteenth-century Benedictine monastery located in the heart of Pisa historical centre.

¹ European Union: European Commission, *Communication from the Commission to the European Parliament, the European Council, the Council, The European economic and Social committee and the Committee of the Regions: “Artificial Intelligence for Europe”*, 25 April 2018, SWD(2018) 137 final, available at: <https://ec.europa.eu/digital-single-market/en/news/communication-artificial-intelligence-europe> [accessed 7th June 2018].

CONFERENCE PROGRAM

DAY 1 – 27th September

Registration and welcome 8:30-9:00

Opening Ceremony 9:00-10:00

Greetings: Pierdomenico Perata
Alberto di Martino
Andrea Bertolini

**A European Approach to Robotics and AI
10:00-11:30**

Chair: Mario Mariniello
Speakers: Bjoern Juretzki
Cecilia Laschi
Bernd Liepert
Massimo Ippolito

**A European Approach to Liability
11:30-13:00**

Chair: Emanuela Navarretta
Speakers: Andrea Bertolini
Ian Kerr
Ugo Pagallo
Angela Sanguinetti

Lunch 13:00 – 14:00

**A European Approach to Ethical Design
14:00 – 15:30**

Chair: Gianluigi Palombella
Speakers: Massimo Bergamasco
Raja Chatila
Viola Schiaffonati
Anne Gerdes

Coffee break 15:30 – 16:00

**A European Approach to Standardization
and Testing 16:00 – 17:00**

Chair: Fabio Bonsignorio
Speakers: Fabio Bonsignorio
Bardo Schettini Gherardini
Kees Stuurman
Gurvinder Singh Virk

Dinner (for speakers only) 20:00

DAY 2 – 28th September

**A European Approach to Data Protection
9:00-10:30**

Chair: Alessandro Mantelero
Speakers: Dianora Poletti
Vagelis Papakonstantinou
Valentina Calderai
Gianclaudio Malgieri

Coffee Break 10:30-11:00

**A European Approach to IP Law
11:00 – 13:00**

Chair: Giovanni Sartor
Speakers: Daniel Schönberger
Luke McDonagh
Enrico Bonadio

Lunch 13:00 – 14:00

**Alternative Approaches to Regulation
14:00 – 16:00**

Chair: Elettra Stradella
Speakers: Dominik Bösl
Atsuo Takanishi
Irene Sardellitti
Erica Palmerini

Conclusions 16:00 – 16:30

SPEAKERS AND CHAIRS

Massimo Bergamasco

Professor of Applied Mechanics, Director of the TeCIP Institute, Scuola Superiore Sant'Anna

Andrea Bertolini

Assistant Professor of Private Law, DIRPOLIS Institute, Scuola Superiore Sant'Anna, Coordinator of the Jean Monnet Module "Europe Regulates Robotics"

Enrico Bonadio

Senior Lecturer in Law, The City Law School

Fabio Bonsignorio

Affiliate Professor, BioRobotics Institute, Scuola Superiore Sant'Anna, CEO and founder of Heron Robots

Dominik Bösl

Vice President Consumer Driven Robotics, Senior Corporate Innovation Manager, KUKA

Valentina Calderai

Associate Professor of Private Law, University of Pisa

Raja Chatila

Professor of Robotics, Artificial Intelligence and Ethics, Sorbonne University, Chair of IEEE Global Initiative on Ethics of Autonomous and Intelligent Systems

Alberto Di Martino

Professor of Criminal Law, vice Director of DIRPOLIS Institute, Scuola Superiore Sant'Anna

Anne Gerdes

Associate Professor, Department of Design and Communication, University of Southern Denmark

Massimo Ippolito

Head of Digital Innovation & Infrastructures, Comau

Bjoern Juretzki

Assistant to the Director-General, European Commission, DG CONNECT

Ian Kerr

Professor and Canada Research Chair in Ethics, Law, and Technology, University of Ottawa

Cecilia Laschi

Professor of Biorobotics, BioRobotics Institute, Scuola Superiore Sant'Anna

Bernd Liepert

Chief Innovation Officer, KUKA, President of euRobotics AISBL – the European Robotics Association

Gianclaudio Malgieri

Doctoral Researcher at LSTS, Vrije Universiteit Brussel

Alessandro Mantelero

Associate Professor of Private Law, Politecnico di Torino, Rapporteur, Council of Europe

Mario Mariniello

Digital Adviser at the European Political Strategy Centre, European Commission

Luke McDonagh

Senior Lecturer, City Law School, University of London

Emanuela Navarretta

Professor of Private Law, Dean, Department of Law, University of Pisa

Ugo Pagallo

Professor of Jurisprudence, Department of Law, University of Turin, member of the Expert Group on Liability and New Technologies formation, New Technologies formation

Erica Palmerini

Associate Professor of Private Law, Scuola Superiore Sant'Anna

Gianluigi Palombella

Professor of Applied Legal Theory, Scuola Superiore Sant'Anna

Vagelis Papakonstantinou

Senior Researcher, Research Group on Law Science Technology & Society, Vrije Universiteit Brussel

Pierdomenico Perata

Professor of Plant Physiology, Rector of the Scuola Superiore Sant'Anna

Dianora Poletti

Professor of Private Law, University of Pisa

Angela Sanguinetti

Legal and Policy Officer, Contract Law Unit, DG Justice, European Commission

Irene Sardellitti

Programme Officer, Robotics and Artificial Intelligence, Digital Innovation Hubs, DG Connect, European Commission

Giovanni Sartor

Professor of Legal Theory and Legal Informatics, European University Institute

Bardo Schettini Gherardini

Director Legal & Digital, KNOWENCE, and former Director of Legal Affairs at CEN and CENELEC

Viola Schiaffonati

Associate Professor of Logic and Philosophy of Science, Department of Electronic, Information and Bioengineering, Politecnico di Milano

Daniel Schönberger

Attorney at Law, Head of the Legal Department for Switzerland and Austria, Google

Elettra Stradella

Assistant Professor of Public Comparative Law, University of Pisa

Kees Stuurman

Professor of Information Technology Standards, Tilburg Institute for Law, Technology, and Society

Atsuo Takanishi

Professor, Department of Modern Mechanical Engineering & Humanoid Robotics Institute, Waseda University

Gurvinder Singh Virk

Professor of Robotics and the Built Environment, Department of Technology and Built Environment, University of Gävle

Scientific coordinator

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Information and registration

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