EUROPE REGULATES ROBOTICS

Pisa, 27th-28th September 2018*

Scuola Superiore Sant'Anna, Aula Magna
Piazza Martiri della Libertà, 33
56127, Pisa, Italy

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 EU[1].

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.

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[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 9:00-9:45
Andrea Bertolini, Alberto di Martino,
Pierdomenico Perata

A European Approach to Robotics and AI 9:45-11:00
Chair: Mario Mariniello
Massimo Ippolito, Bjoern Juretzki
Cecilia Laschi

Coffee break 11:00 – 11:30

A European Approach to Liability 11:30-13:00
Chair: Emanuela Navarretta
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
Massimo Bergamasco, Raja Chatila,
Anne Gerdes, Viola Schiaffonati

Coffee break 15:30 – 16:00

A European Approach to Standardization and Testing 16:00 – 17:00
Chair: Fabio Bonsignorio
Fabio Bonsignorio, Kees Stuurman, Bardo Schettini Gherardini, Gurvinder Virk

Dinner (for speakers only) 20:00

DAY 2 – 28th September

A European Approach to Data Protection 9:00-10:30
Chair: Alessandro Mantelero
Valentina Calderai, Gianclaudio Malgieri
Vagelis Papakonstantinou, Dianora Poletti

Coffee Break 10:30-11:00

A European Approach to IP Law 11:00 – 13:00
Chair: Giovanni Sartor
Enrico Bonadio, Luke McDonagh,
Daniel Schönberger

Lunch 13:00 – 14:00

Alternative Approaches to Regulation 14:00 – 15:30
Chair: Elettra Stradella
Dominik Bösl, Erica Palmerini,
Atsuo Takanishi, Irene Sardellitti

Conclusions 15:30 – 16:00

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

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 and University of Bologna

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

Andrea Bertolini

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Information and registration

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