



Dipartimento di Giurisprudenza  
Università degli Studi di Pavia



European Center for  
Law, Science and  
new Technologies  
Centro di Ricerca Interdipartimentale  
dell'Università degli studi di Pavia



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Centre for Health Technologies  
University of Pavia

**Call for Applications (25 positions)**  
***Industry 4.0, Technology and the Law***  
***Winter School***  
**15-19 January 2018**  
**University of Pavia, Italy**

*The School is organized by the Department of Law, the Interdepartmental Research Center at the European Center for Law, Science and New Technologies (ECLT), and the Collegio Ghislieri, in cooperation with the Centre for Health Technologies (CHT) at the University of Pavia (UNIPV).*

**Directors:** Prof. Amedeo Santosuosso (ECLT), Dr. Barbara Bottalico (ECLT & CHT)

**Scientific committee:** Amedeo Santosuosso, Barbara Bottalico, Riccardo Bellazzi, Antonio Barili, Ferdinando Auricchio

**Scope and Objective**

The application of digital technology in industry and in the world of enterprise as a whole is changing the way economy and industry works, at an international level.

The Italian Ministry of Economic Development recently launched an Investment and Research Plan to facilitate the development of business in close collaboration with universities, with the aim of bringing more and more "intelligence" to the Italian industry.

The technical-economic potential of this evolution is enormous. The disciplines impacted by Industry 4.0 and Digital Manufacturing are diverse: Artificial Intelligence, Robotics, Computer Science, Management, Taxation System, Economics, Cyber Security and, with a crucial cross-cutting role, Law.

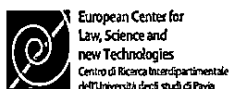
The school will address the following "hot" topics in the legal field:

- ✓ Why large automation should discourage the shift of production to countries where labor costs are lower;
- ✓ Why technological innovation should make tax evasion more difficult;
- ✓ Civil and criminal liability in cases of damage caused by robots or other autonomous systems;
- ✓ Big Data: risks and abuse, regulation, potential and concrete benefits;
- ✓ Cyber security and industrial information protection;
- ✓ Industry 4.0 and smart working: how the distribution of work for different professionals will change, what the budget will be after the first year of opening up to smart working contracts, how this new type of work will be different from "old" telework and how businesses are reorganizing in order to give more flexibility to their managers and employees;
- ✓ Jobs and tasks: to what extent the Italian Jobs Act has made the definition of work tasks more flexible in terms of training opportunities for employees;
- ✓ How the "Health&Safety" regulation interferes with the new relationship between man and robot in the industry;
- ✓ IP law in the new conditions determined by the use of 3D printers;
- ✓ Privacy: How does the new scenario relate to the protection of workers and individuals whose data is being treated by "smart" companies? This theme will be analyzed in light of the new European Regulation (GDPR), which has come into force in May 2018.

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### **Why should I apply for the *Industry 4.0, Technology and the Law Winter School*?**

A deep awareness and knowledge of legal technologies is an essential part of the repertoire for students in law and for legal professionals in general. Likewise, students from Economics, Engineering and other scientific faculties will have the opportunity to gain insights on how the legal environment is changing, as well as to explore new possibilities for technologies in an industrial context.

The course offers key tools for new professional profiles covering law and technology: lawyers, legal knowledge engineers, and interdisciplinary experts working in a company environment, among others.

### **The target of the school**

The school is taught in English. It includes (i) classroom lectures, which aim to provide participants with a conceptual framework and a solid legal analysis to ground the most innovative dynamics related to Industry 4.0; (ii) debates with representatives of innovation and innovative companies; (iii) visits to companies and laboratories.

### **Can I apply?**

The course is designed for Master's degree students (4<sup>th</sup> - 5<sup>th</sup> year) enrolled in the faculties of Law, Political Science, Economics and other scientific departments, and correspondent professionals at an early stage of their career.

### **How do I apply?**

To apply to the Winter School follow the online procedure at:  
<http://dsg.unipv.it/internazionalizzazione/winter-school/industry-4-0-technology-and-the-law-winter-school.html>

Further information is available at:

- <http://dsg.unipv.it/internazionalizzazione/winter-school/industry-4-0-technology-and-the-law-winter-school.html>
- <http://www.unipv-lawtech.eu/>

### **When can I apply?**

Applications are open from **1 September 2017 to 15 October 2017**.

Within the end of October, shortlisted students will be invited by email to have an interview at the University of Pavia or via Skype for those living outside Lombardy Region.

### **Dates and location**

Industry 4.0, Technology and the Law Winter School 2018 will take place at the University of Pavia (Italy) from **Monday to Friday, 15 – 19 January 2018**. Students must attend 80% of the classes.

### **Costs and scholarship**

Accepted students are responsible for arranging and paying for their own travel and accommodation in Pavia, Italy. The International office of the University of Pavia will provide information about housing solutions in Pavia.

The registration fee is €300 and covers tuition, course materials and daily lunches at the University canteen. Fee exemptions will be granted to up to ten students on the basis of their merits. If a student has his/her costs covered by any other institution, the exemption shifts to the next student in the list.

### **Evaluation and Certificate of attendance**

Students who successfully attend at least 80% of the course will be awarded with a 'Certificate of attendance'.



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Upon request submitted by the student, each Faculty may provide a grade based on ECTS standards and criteria for participation in the course.

**Selection procedure and criteria**

A committee appointed by the Department of Law will select candidates on the basis of their qualifications and CV, fluency in English, academic experience and letter of motivation.

Further information is available on the course website.

Pavia, 27 July 2017

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Prof. Ettore Dezza  
Direttore del Dipartimento  
di Giurisprudenza