

LAW, SCIENCE AND TECHNOLOGY

Coordinator	Prof. Giovanni Sartor Dipartimento of Legal Sciences Via Zamboni 22 - Bologna giovanni.sartor@unibo.it
Starting date of the PhD Programme	01/11/2018
Duration	3 calendar years
Language of the PhD Programme	English
Mandatory stay abroad	Yes (12 months in one of the following institutions: Université du Luxembourg, Mykolas Romeris University, Universitat Autònoma de Barcelona e Leibniz Universität Hannover. The host institution for each PhD candidate shall be selected by the Academic Board)
Associated partners pursuant to art. 2, para 2, lett. c) of the M.D. n. 45/2013	University of Turin
Research topics	
<ul style="list-style-type: none"> - Human Rights and Ethical Principles in new and emerging technologies Doctor-patient relationships: confidentiality, informed consent, research and experimentation Human Assisted Reproductive Technologies - End-of-life Decision Making - Legal and ethical issues Ethics and law in Genetics: genetic testing, screening, gene therapy and personalized medicine - Biotechnology and patent law - Stem cells and gene patents Biobanks - DNA and research - e-health and Privacy by Design Private-public interactions in health care provision - Ethical, Legal and Social Issues in genetic counselling - Semantic Web and Legal ontologies modelling - Information Retrieval and Database techniques in the Legal Domain Legal document modelling and representation including Open Data, XML, and standardization - Computer Forensics Information Systems for eJustice, eGovernment, and eLegislation Computational models of legal and ethical reasoning including educational applications Intelligent Information extraction and NLP of legal resources - e-Discovery and data mining in Legal domain - Formal Models of Norms and Legal Reasoning Logic-based models of norms and legal knowledge Legal reasoning, including argumentation and reasoning about evidence Argumentation and Argumentation systems - Game theory as applied to the law - Normative Multi-Agent Systems and e-Institutions Regulatory Compliance - Robot and Intelligent System ethics - Privacy and Security with New Technology Cybercrime and Computer Forensics - e-Business and Consumer Law - e-Governance and e-Democracy social modelling - IPR and New Technology - On-line Dispute Resolution - Cloud computing - A Comparative Perspective on ICT - Law Constitutional crowd sourcing Management of Geopolitical Social Crises - Regulation of Robotics and Related Ethical Issues - ICT Protection of children online and technology regulation: fundamental issue 	
PhD positions and scholarships	
Total number of the available PhD positions	6
Positions with scholarship	<p>1 - totally funded by the University of Bologna general budget</p> <p>1 - funded by the University of Bologna general budget and co-financed by the Interdepartmental Centre for Research in the History, Philosophy, and Sociology of Law and in Computer Science and Law (CIRSFID)</p> <p>3 - funded by the University of Turin</p>
<p>Positions with scholarship linked to specific topics (art. 9 of the Call for applications)</p> <p>During the oral examination, applicants will have the possibility to show their interest for one or more scholarships linked to specific topics.</p> <p>Taking into account the preferences expressed by the applicants</p>	<p>1 - funded by the Centre for Research in the History, Philosophy, and Sociology of Law and in Computer Science and Law (CIRSFID), through funds covered by the agreement with the Institute of Legal Information Theory and Techniques (ITTIG)</p>

and with due consideration of the applicants' skills and expertise, the Admission Board will establish if the applicants can be considered eligible for the allocation of the scholarships linked to specific topics		and focused on the following research topic "Digital forensics and informatics security". The successful applicant shall carry out part of his research at the ITTIG-CNR premises.
Admission requirements		
Please, see art. 2 of the Call for applications		
Mandatory documents to be attached to the application		
Please, see art. 3 of the Call for applications		
Further qualifications that may be attached to the application, if in possession of the applicant (only qualifications attested by documents drawn up in Italian, English, French, German and Spanish shall be considered as valid and assessed by the Admission Board)		
<ul style="list-style-type: none"> - Abstract of the second cycle master's degree thesis. Undergraduate applicants may submit the draft of the thesis approved by their supervisor (please, note that abstracts cannot exceed 5.000 characters, including spaces and formula possibly used. The above figure does not include: the title of thesis, the outline, and images such as graphs, diagrams, tables etc. - where present); - No more than 2 reference letters signed by Italian and international academics and professionals in the research field, which do not form part of the Admission Board, attesting the suitability of the applicant and his/her interest for the scientific research. <u>Please, note that the above letters cannot be uploaded by applicants. When filling the online application form on http://studenti.unibo.it, applicants will be only allowed to provide the email accounts of the requested academic/professional. The latter shall receive an email from the University of Bologna providing for the instructions for uploading. Only letters in pdf format submitted before the expiry date and time of the Call shall be accepted.</u> - Multi-annual research project, with special emphasis on the activities to be completed during the first-year course. The proposal must meet the following requirements: <ul style="list-style-type: none"> o It must indicate in the cover page the research topic of the PhD Programme covered by the research project proposal and for which the applicant is applying; o It cannot exceed 3.000 words, including spaces and formula possibly used. This figure does not include: the title of project, the outline, references and images (such as graphs, diagrams, tables etc - where present); o It must include: the state of the art; description of the project; expected results; lead-time for implementation; (proposed) criteria to be used to assess the findings obtained; references. <p>The research projects that successful applicants shall carry out during their doctoral career may possibly differ from the project proposed at the application stage. This shall be defined together with the supervisor and approved by the Academic Board.</p> - Motivational letter. This must include the reasons prompting the applicant to attend the PhD Programme and those relevant experiences and research interests, that make the applicant suitable for the specific PhD Programme (3000 characters maximum, including spaces). - List of the publications (monographs, articles published on scientific journals). - List of the minor publications (conference papers, volume's chapters, etc. - Professional Master courses completed in Italy (1st or 2nd level) relevant to the PhD Programme. - Postgraduate vocational training programmes/specialisation programmes relevant to the PhD Programme. - Teaching activity carried out at university level - Research activity of any kind - whether basic, applied, translational, etc. - carried out in any capacity, including when covered by research grants, and as a staff member of research projects - Work activity - Vocational internships - Curricular and non-curricular training and guidance internships - Foreign languages - Study periods completed by students outside their countries of origin (e.g. Erasmus programme or other similar mobility programmes) - Other qualifications attesting the suitability of the applicants (scholarships, prizes, etc) 		
Admission exams (art. 4 of the call for applications)		
Examination type	Schedule (please, note that applicants shall not receive any communication concerning the exams schedule)	Examination results publication (please, note that applicants shall not receive any communication concerning the publication of results)
Qualifications and research project evaluation	Non-presential.	The results of the qualifications and research project evaluation shall be available online starting from the 11/06/2018 at the page http://studenti.unibo.it (please, select: (please, select "summary of the requests in progress" - "see detail" and open the pdf file "risultati valutazione titoli e progetto")
Oral examination	Date	The results of the oral examination shall be available on the webpage http://studenti.unibo.it starting from 05/07/2018
		27/06/2018 In case that the oral examination cannot be

		completed in one day due to the large number of applicants, the oral exam schedule shall be made available at the webpage http://studenti.unibo.it together with the results of the qualifications and research project evaluation	(please, select “summary of the requests in progress” - “see detail” and open the pdf file “risultati prova orale”)
	Place	Bologna – Via Galliera 3 CIRSIFID (Centro Interdipartimentale di Ricerca in Storia del Diritto, Filosofia e Sociologia del Diritto e Informatica Giuridica)	
	Time	9 a.m.	
Pursuant to art. 4 of the call for applications, applicants residing regularly abroad can ask to take the exam remotely, using videoconferencing tools (e.g. Skype). Please, for further details refer to the relevant provision of the call for applications.			

Evaluation criteria

Points will be allocated to applications out of a total of 100 on the basis of the following weighting:

1. Qualifications and research project

- Minimum for admission to the oral exam: 30 points
- Maximum: 50 points

Only qualifications relating to the last 5 years shall be taken into consideration, with the exception of the University Degree (Diploma di laurea). Please, note that qualifications must be consistent with the PhD course.

Points relating to qualifications shall be allocated on the basis of the following criteria:

- Graduation final mark (7 points corresponding to 110 with honors; 5 points from 110 to 105; 3 points from 104 to 100; 0 points if the final mark is less than 100). Undergraduates shall be evaluated on the basis of the Weighted Average Mark (WAM): 30 = 7 points; 29 = 5 points; 28 = 3 points; WAM less than 28 = 0 points.
- Motivation letter: max 5 points
- Publications: max 5 points
- Reference letters: max 5 points
- Other qualifications: max 2 points

Points relating to the research project shall be allocated on the basis of the following criteria:

- Scientific value and ground-breaking nature of the proposal: max 11 points
- description and structure of the proposal: max 5 points
- proposal feasibility: max 10 points

2. Oral examination

- Minimum for inclusion in the final ranking list :30 points
- Maximum: 50 points

Oral examination includes the presentation of the research project and is intended to assess the suitability of the applicant to pursue scientific research as well as the general knowledge of the issues connected to the PhD programme.

During the oral examination, the knowledge of the following foreign language shall be assessed: English.

The oral examination is carried out in English.

Points relating to the oral examination shall be allocated on the basis of the following criteria:

- knowledge of foreign language: max 5 points
- research project presentation: max 20 points
- general knowledge of issues connected to the PhD course: max 25 points

Possible evaluation sub-criteria shall be made public on <http://studenti.unibo.it> (select: “summary of the requests in progress” - “see detail” and open the pdf file named “sub-criteri di valutazione”).

Final ranking list and enrolment (arts.6 and 7 of the call for applications)

Only after the publication of the results relating to the oral exam, the final ranking list shall be available at the page <http://studenti.unibo.it>. In the section “Summary of requests in progress”, the status of the application submitted shall be “Final ranking List available”. A click on “See detail”, will open the webpage where the pdf file “Graduatoria” can be downloaded (at the bottom of the page).

Please, note that written communication about the final results and the deadlines for the enrolment shall not be sent to the applicants.

The enrolment of successful applicants must be completed by the deadline laid down at the bottom of the final ranking list.