



Sant'Anna
School of Advanced Studies – Pisa



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Rector's Decree No. 443/2020

CALL FOR APPLICATIONS

Winter School "The Regulation of Robotics & AI in Europe: Legal, Ethical and Economic Implications" a.y. 2020/2021

Art. 1 Start up

The Dirpolis Institute of the Sant'Anna School of Advanced Studies of Pisa has activated the 2nd edition of the Winter School "The Regulation of Robotics & AI in Europe: Legal, Ethical and Economic Implications", pursuant to art. 3 of the Charter.

The Winter School is part of a three-year project that was awarded in the framework of the Call for proposals 2018 – EAC/A05/2017 under the Jean Monnet Activities of the Erasmus+ Programme – Jean Monnet "Centre of Excellence on the Regulation of Robotics and Artificial Intelligence".

The course will be offered at the Sant'Anna School of Advanced Studies from the **30th of November 2020 to the 5th of December 2020**, for a total of 40 hours.

Classes will be held in person, at the premises of the Scuola Superiore Sant'Anna, in Pisa.

Should safety-concerns related to the COVID-19 pandemic make it impossible or non-advisable for the course to be held in person, the latter will take place online, through one of the teaching platforms provided by the Scuola Superiore Sant'Anna. In this case, the tuition fees will be reduced to € 322,50 (*three hundred and twenty-two and fifty cents*)

Should individual candidates be unable to join the course in person, due to travel-limitations set out in their country of residence, the Scientific Coordinator of the Winterschool may allow individual candidates to follow the course remotely online. In this case, tuition fees would be reduced accordingly.

The Winter School will be taught in English.

Art. 2 ECTS

Two academic credits (in accordance with the European Credits Transfer and Accumulation System - ECTS) will be awarded upon successful completion of the Course, which requires the attendance of at least 90% of classes and passing the final examination.

Art. 3 Educational Objectives

The Course will provide participants with an advanced understanding of the European framework of robotics and AI technologies.

Advanced robotics and AI represent a novel kinds of applications that need to be fitted within a pre-existing framework of legal standards, and socio-ethical beliefs and principles. In particular, they need to comply with existing regulation, be respectful of – and promote – existing rights as recognized by the Charter of Fundamental



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Rights of the European Union (CFR), abide a responsible research and innovation approach and take into account existing – social – needs and desires.

It is therefore essential, both for engineers designing such applications and for lawyers and philosophers seeking to acquire relevant professional skills, to be able to counsel roboticists and robotic enterprises, and to acquire an exact understanding of all the different profiles and of interdisciplinary interactions.

The Winter School aims at providing international students, policy makers, and professionals from different backgrounds with the knowledge and interdisciplinary skills necessary to understand the different issues posed by the development and diffusion of robotics in EU, namely to: design robots/counsel enterprises, ensuring compliance with applicable regulation, technical-ethical standards, social acceptability and respect of the CFR, develop risk-management strategies and entrepreneurship models, as well as define new EU policies on these matters.

At the end of the Course, participants will be able to: (i) understand the non-technological issues to take into account in robotic products design, (ii) carry out independent research in the field of law and technology, (iii) provide qualified technical advice to interested parties to bring robotic technologies to the market, (iv) and carry out the same activities for national and supranational institutions interested in regulating such innovative products.

Art. 4 Recipients

The Course is intended for international students coming from different backgrounds at an advanced stage of their university-career – students having a bachelor degree or enrolled at their fourth year (or above) of a Single-Cycle University Course (5 or 6 years' university course), young researchers and professional working in the field of law, social sciences, engineering, economics and management, policy makers and officials working in national, international and European Institutions.

Art. 5 Course Structure

The Winter School is structured into lectures and case-studies, and will make use of an extremely interdisciplinary approach granted by the diverse competences of the key staff members.

The classes will address the following topics:

- The technical and the legal definition of robots and AI
- The taxonomy of existing robotic devices
- Criminal and liability rules, insurance and risk-management strategies in light of existing and emerging EU law
- IP Law
- Data protection
- Design and social perception of robots
- Ethical assessment of technological innovation
- Responsible research and innovation
- Bioethics and robo-ethics
- Business modelling and innovation in high-tech markets
- Technological impact on the labor market and economic growth

A detailed program is available at the following link: <http://www.eura.santannapisa.it/program>.

The Winter School lasts 6 days. Classes begin at 9.00 AM and end at 6.30 PM, with an hour and a half for lunch. Each class is 1.30 hours long, with 30 minutes' break.



The final take-home examination will require students to answer a series of questions. The exam has to be emailed by Friday the 4th of December 2020, 11.59 pm (GTM), to aura@santannapisa.it.

Art. 6 Auditors

The Commission defined pursuant to art. 9 may allow auditors to take part to one or more lectures, according to the conditions specified by the Commission itself, and with the authorization of the Scientific Coordinator of the Winter School.

Art. 7 Admission requirements

An admission application may be submitted by persons who have gained a **1st Cycle University Degree** (Laurea Triennale/Laurea di I livello/Bachelor's Degree), awarded after the completion of at least a triennial university course. Candidates enrolled at the fourth year (or above) in a Single-Cycle University Course (5 or 6 years' University Course) are also eligible.

Applicants must have a good knowledge of English.

The Administration may decide to exclude a candidate, at any time, with a motivated decision, if the prescribed requirements have not been met.

Art. 8 Admission application

The Course is open to a maximum of 30 participants and it will be activated with a minimum of 15. Candidates who intend to apply for admission to the Course must, **by and no later than October 16th 2020, 11.59 am (GTM):**

- A. submit the application exclusively online, and ensure that the data requested are entered at the following address: <http://www.santannapisa.it/aura/application>
- B. the following documentation, in electronic format, is to be attached to the application:
 - 1. All applicants:**
 - o a curriculum vitae (European format is preferred);
 - o a current and valid identity document (ID or passport for non EU-applicants);
 - o a language certificate, or a self-declaration form certifying the applicant knowledge of English;
 - o other documents of interest (for example: publications, certificate of disability, ECTS).
 - 2. Applicants holding a degree from an Italian university or currently enrolled at an Italian University:**
 - o a self-declaration form, certifying their academic qualifications and degrees obtained, or certifying their student's status, the list of the courses attended and grades obtained (in compliance with art. 47 of D.P.R. n. 445/2000);
 - 3. Applicants holding a qualification obtained abroad (EU and NON-EU Countries):**



- o a copy of the degree certificates – or a copy of the official transcripts certifying their student's status, with the list of the courses attended and grades obtained – along with an English or Italian translation, unless written in English/French/Spanish/German.

The online application requires a registration and login procedure (including the creation of a "User ID" and of a "Password"). The required documentation shall be attached before completing the on-line application form. Applications received after the deadline or submitted in a form other than the one indicated in this article as well as incomplete applications, for whatever reason, will not be considered.

Falsification of documents and fraudulent statements are punished in accordance with the Italian Criminal Code and the special applicable laws, Art. 75 and Art. 76 of Presidential Decree (D.P.R.) No. 445/2000.

The Institution may monitor the truthfulness of the statements provided and the documents submitted at any time during the procedure, even after the Course has started, and request the original documents to be submitted. In the case of false statements, the Institution may decide, at any time, to exclude candidates from the selection procedure, based on a motivated decision issued by the Rector, without prejudice to the resulting criminal liability.

Art. 9 Selection of candidates

The selection is made by a special Committee appointed by a decision issued by the Rector on the basis of the educational qualifications presented and the information entered in the online application form.

The Committee selects the candidates on the basis of the following parameters:

- a) Educational Qualification and Educational experience: 45/100
- b) Relevant professional experience: 30/100
- c) Knowledge of English language: 5/100
- d) Motivation: 20/100

TOTAL 100/100

Only applicants who achieved an overall assessment equal to or greater than 60 points will be considered eligible to attend the Winter School.

In case of equal ranking in the assessment phase, preference will be given to the younger candidates.

A Decision issued by the Rector duly approves the selection documents, as well as the merit ranking, and the successful candidates are announced at the end of the selection, subject to the condition of verifying the requirements and the educational qualifications stated, as indicated in art. 7 of this call for applications.

The educational qualifications gained at an Italian University or University Institute or gained at a foreign University or University Institute of equal standing are assessed by the selection Committee that reserves the right to request possible further documents.

At the end of the selection procedure the records of the selection process and the list of successful applicants will be approved with an official act of the Rector of the Scuola.



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The list of the 30 admitted candidates will be published on the web-site of the Scuola (www.santannapisa.it) and notified by e-mail exclusively to the applicants who will be admitted to the Course. Applicants who have qualified eligible for the admission, but ranked below the 30th position, will be inserted in a reserved list, and notified by e-mail.

One full waiver will be made available to the student that qualifies first in the admission selection on grounds of merit.

Other full waivers might be made available pursuant to a discretionary assessment of the Selection Committee, in case existing financial resources are deemed sufficient.

Successful applicants who are citizens of non-EU member states and who reside outside Italy, are strongly advised to immediately contact the Italian Embassy or consular authorities in their country of residence (for the addresses please see: http://www.esteri.it/visti/index_eng.asp) in order to apply for a visa.

The Scuola cannot be held responsible for expenses incurred by selected applicants if the course is cancelled because the minimum number of participants is not reached.

Art. 10 Tuition fees

Winter School students shall pay the tuition fees of € 645,00 (six hundred and forty-five), which include classes, teaching material, lunches on class-days, transportation for classes offered outside the main venue.

Any other expenses – such as visa, accommodation and travel costs, etc. – are to be covered by the participants.

It is not possible to pay the tuition fee in instalments.

The tuition fee is to be paid by bank transfer to the c/a registered to the Sant'Anna School of Advanced Studies at Banca Unicredit SpA – Pisa Branch, Piazza Garibaldi, No. 1 (IBAN: IT32 0 02008 14006000401272765), specifying the following reason for payment: Course Title – student's name and surname or using the following link: PagoPA <https://web.pasemplice.eu/PortaleDebitore/02008/93008800505/9556FA86F7DF/index.do> choosing the option "pagamento spontaneo"

Pursuant to art. 9, paragraph 2 of Legislative Decree No. 68/2012 the Institution grants total exemption regarding payment of the tuition fee in the case of students with a disability, acknowledged to be equal to or greater than sixty-six percent, in accordance with art. 3, paragraph 1 of Law No. 104/1992, and applies a 1.5% reduction for every percentage point of disability in the case of students who have been acknowledged a disability of less than sixty-six percent. A student that intends to take advantage of the exemption or the reduction is required to attach an appropriate certificate to the online application.

Should the course be held online due to safety-concerns related to the COVID-19 pandemic, the tuition fees will be reduced to € 322,50 (three hundred and twenty-two and fifty cents).

Should individual candidates be authorized to follow the course online due to travel-limitations set out in their country of residence, specific authorization to follow the course online will be granted, the tuition fees will be reduced to € 322,50 (three hundred and twenty-two and fifty cents).

In both cases, if the tuition fees had already been paid, refund will be granted of the difference between the full tuition and the reduced tuition fees.



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Art. 11 Acceptance procedure and method of payment

Admitted candidates who wish to attend the Course are required to confirm their attendance by the deadline that shall be made known in the communication of admission, and in accordance with the procedures indicated in the admission notice, under penalty of exclusion, by transmitting to the U.O Alta Formazione of the Sant'Anna School of Advanced Studies a copy of the payment of the enrolment fee.

Once the admission is confirmed, the applicant is not entitled to receive any refund for the amount paid, even in case she/he is not able to attend for any reason.

In case of withdrawal, the next eligible applicant in the reserve list will be admitted to attend the Course.

Art. 12 Attendance Certificate

At the end of the Course only participants who have attended at least 90% of the classes, passed the final examination and have paid the tuition fee, will receive a Certificate of Attendance including University Credits acquired.

Art. 13 Person responsible for the competitive entrance examination procedure, personal data processing and prevention of corruption measures

Under the art. 5 of the Act n. 241/90 and ff.mm., the person in charge of the competition procedure is Mrs. Elena Cambi, Head of the U.O. Higher Education - Sant'Anna School of Advanced Studies - Via Maffi 27, 56127 Pisa - tel. 050/882645 - fax 050/882633 - e-mail: altaformazione@santannapisa.it.

Sant'Anna School of Advanced Studies (hereinafter the "School"), represented by the Rector, as Data Controller, under the article 13 of the EU General Data Protection Regulation n. 679/2016 and under the Italian Legislative Decree 30 June 2003 ("Privacy Code regarding the protection of personal data") with regard to the processing of personal data, and on his behalf, Roberta Chiordi, roberta.chiordi@santannapisa.it, Head of the UO Alta Formazione will process your data. Please read the privacy statement available at www.santannapisa.it, Alta Formazione.

The Sant'Anna School of Advanced Studies operates in compliance with the legislation on the prevention of corruption (L.190 / 2012).