

**Seasonal School:
“ARTIFICIAL INTELLIGENCE AND ROBOTICS IN EXTENDED REALITY (AIRONE)”
A.Y. 2020/21**

**ART. 1
The Seasonal School**

The Sant'Anna School of Advanced Studies of Pisa, Italy, is offering the Seasonal School in “Artificial Intelligence and RObotics in exteNded rEality (AIRONE)”. The Course will be delivered in person, at the premises of the Scuola Superiore Sant'Anna, in Pisa from the 21st to the 26th of June 2021, for a total of 44 hours, including the final assessment.

The course is limited to a maximum of 20 positions. Each partner university benefits from one reserved seat.

The language of instruction is English. In case applications are submitted only by Italian students, the Seasonal School will be taught in Italian.

The Sant'Anna School of Advanced Studies reserves the possibility of activating the Seasonal School online in consideration of the progress of the health emergency during the period of the course.

**ART. 2
ECTS - European Credit Transfer and Accumulation System**

The acknowledgement of four (4) European Credit Transfer and Accumulation System is foreseen for students who attend the entire training course. Acquiring ECTS is subject to complying with the attendance obligations and passing the foreseen learning assessment tests.

**ART. 3
Educational Objectives**

The main target of the Seasonal School is to provide the students with theoretical and practical knowledge in the field of:

- Fundamentals of Extended Reality technologies (i.e., Virtual Reality, Augmented Reality and Mixed Reality);
- Basics for modelling, simulation and design of collaborative robots and wearable robotic systems for Telepresence;
- Basics of Telerobotics and Teleoperation. Control systems for Telerobotics and elements of control of haptic interfaces;
- Methods and tools for designing and programming next generation Artificial Vision systems;
- Machine Learning and Artificial Intelligence tools, including Deep Learning, for Robotics;
- Principles and methods for the analysis of human behaviour in work contexts and in human-robot interaction.

In fact, the course allows students to examine the most recent research developments at the intersection of Robotics, Artificial Intelligence and Extended Reality. Students will also be involved in hands-on activities and in the discussion of use cases applying these technologies.

ART. 4

Places available and entry requirements

The course is intended for Italian or foreign university students who meet the following minimum requirements:

- to be undergraduate, postgraduate or PhD students (in engineering and related disciplines);
- to have passed, with a high average, all the examinations required by the rules of their Home University programs for students at their year of enrolment; at least 27/30 for the Italian system and B for international applicants;
- to have a proficient self-certified knowledge of English (at least B2 level)

The above requirements are to be met at the closing date to submit applications.

A specific selection is not envisaged. If the number of applications received exceeds the number of places available, then the chronological order in which the enrolment applications were submitted will be adopted.

ART. 5

Course Structure

Students will be interactively and proactively engaged in the training process, thanks to the integration of theoretical concepts with practical experience, under the guidance of expert teachers.

The course schedule is composed of 5 full days and one half day. Each day from Monday 21st to Friday 25th of June 2021 comprises around 8 hours of lessons (hours 9.00 – 18.30, including the lunch break).

On the last day of Saturday 26th of June 2021, 5 hours (from 8.30 to 13.30) will be dedicated to the final assessment.

ART.6

Application procedure

The enrolment application is to be received by **May 31, 2021** and is to be submitted exclusively on-line by registering at the website www.santannapisa.it.

The following documentation is to be attached to the enrolment application, under penalty of exclusion:

- an updated curriculum vitae;
- a currently valid identity document;
- a self-certification attesting the proficient knowledge of English Language (at least B2 Level);
- a transcript of records;
- ISEE certificate to obtain a course fee reduction (only for students enrolled in an Italian University);
- any other document deemed useful.

Late applications, or applications missing any mandatory information will not be taken into consideration.

Forged deeds and false statements shall be punished in accordance with the Criminal Code and any other applicable law and will result in exclusion from the course.

ART. 7
Tuition fee

The Course fee includes attendance costs, tutorship, reference material, accommodation (in hotel), lunch/dinner at the canteen for the entire length of the course.

The tuition fee is determined according to the following table with reference to the valid ISEE certification submitted:

ISEE	Tuition fee Seasonal School on site
Up to € 23.000,00	€ 200
Over € 23.000,00 and up to € 36.000,00	€ 400
Over € 36.000,00 and up to € 54.000,00	€ 600
Over € 54.000,00 and up to € 72.000,00	€ 800
Over € 72.000,00	€ 1.000

Candidates belonging to the maximum range (over € 72,000.00) are not required to present any ISEE certification.

Course fee of students from partner universities will be reduced of 10%.

A 450 € scholarship provided by [Fondazione Talento all'Opera](#) and [Fondazione EY](#) will be assigned to the three best performing participants of the Seasonal School.

In accordance with art. 9 paragraph 2 of Decree No 68/2012, students with disabilities greater than or equal to 66%, recognized pursuant to art. 3, paragraph 1, of Law 104/1992, are exempted from the payment of the tuition fee.

A reduction of 1.5% for each percentage point of disability is applied to those students with disabilities less than 66%. The student with disabilities who intends to make use of the exemption or reduction of the tuition fee shall attach a suitable certification in the on-line application.

A refund of the fee paid at the time of enrolment is not foreseen if attendance of the Course is waived. If the course is not initiated because the minimum number of participants fails to be reached, then the fee paid will be refunded.

Should the evolution of the territorial pandemic situation and the related health security requirements oblige the Sant'Anna School of Advanced Studies to organize the training initiative in distance, the Seasonal School tuition fees would be modified as follows:

ISEE	Tuition fee Seasonal School on-line
Up to € 23.000,00	€ 100
Over € 23.000,00 and up to € 36.000,00	€ 300
Over € 36.000,00 and up to € 54.000,00	€ 400
Over € 54.000,00 and up to € 72.000,00	€ 500
Over € 72.000,00	€ 600

The tuition fees stated above are applied also in case the training initiative is activated in presence, only for admitted participants unable to physically attend the lectures in class due to documented health measures related to the COVID-19 epidemic.

ART. 8

Acceptance – Payment methods

Admitted applicants who wish to attend the Seasonal School shall give confirmation of their acceptance by the deadline indicated in the admission note and they shall send receipt of payment of the full course fee.

Payment can be made through bank transfer to the following account: Scuola Superiore Sant'Anna, UNICREDIT BANCA S.p.A., branch of Pisa, P.za Garibaldi 1, IBAN code IT 32 0 02008 14006 000401272765; BIC/SWIFT: UNCRITM1G12, description of payment: "Participant Name and Surname/Seasonal School AIRONE".

Admitted participants who withdraw from the Seasonal School after payment of the tuition fee might be reimbursed if their withdrawal is based on serious and documented reasons and if the course's budget so allows. Participants who have diligently applied to the competent Embassy without undue delay but have been refused their visa will normally receive reimbursement of the tuition fee that they have paid.

Art. 9

Certificate of attendance

At the end of the Course the Sant'Anna School of Advanced Studies will issue a certificate of attendance with value to the extent permitted by law, to the students who attended at least 80% of the entire training programme, and passed the final assessment tests and are up-to-date with the payment of the enrolment fee.

ART. 10

Person responsible for the competitive 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 procedure is Mrs. Francesca Gattai, Head of the U.O. Allievi Ordinari e Lauree Magistrali - Sant'Anna School of Advanced Studies - Piazza Martiri della Libertà, 33, 56127 - Pisa.

Sant'Anna School of Advanced Studies, 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 ("Data Protection Code regarding the protection of personal data") with regard to the processing of personal data, and on his behalf, Giovanna Bottai, giovanna.bottai@santannapisa.it.

Please read the privacy notice available to the address: www.santannapisa.it.

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