

Università degli Studi della Tuscia – CREA-AA
Roma, via della Navicella 4 (Italy)

ELLS Summer School 2025

Computer Vision Application in Agriculture, Forest and Agro-food Systems

The Summer School is a unique opportunity to deepen your knowledge of computer vision and machine learning techniques, with practical applications in the agricultural, forestry, and agri-food sectors.

The program includes theoretical lessons and hands-on activities on:

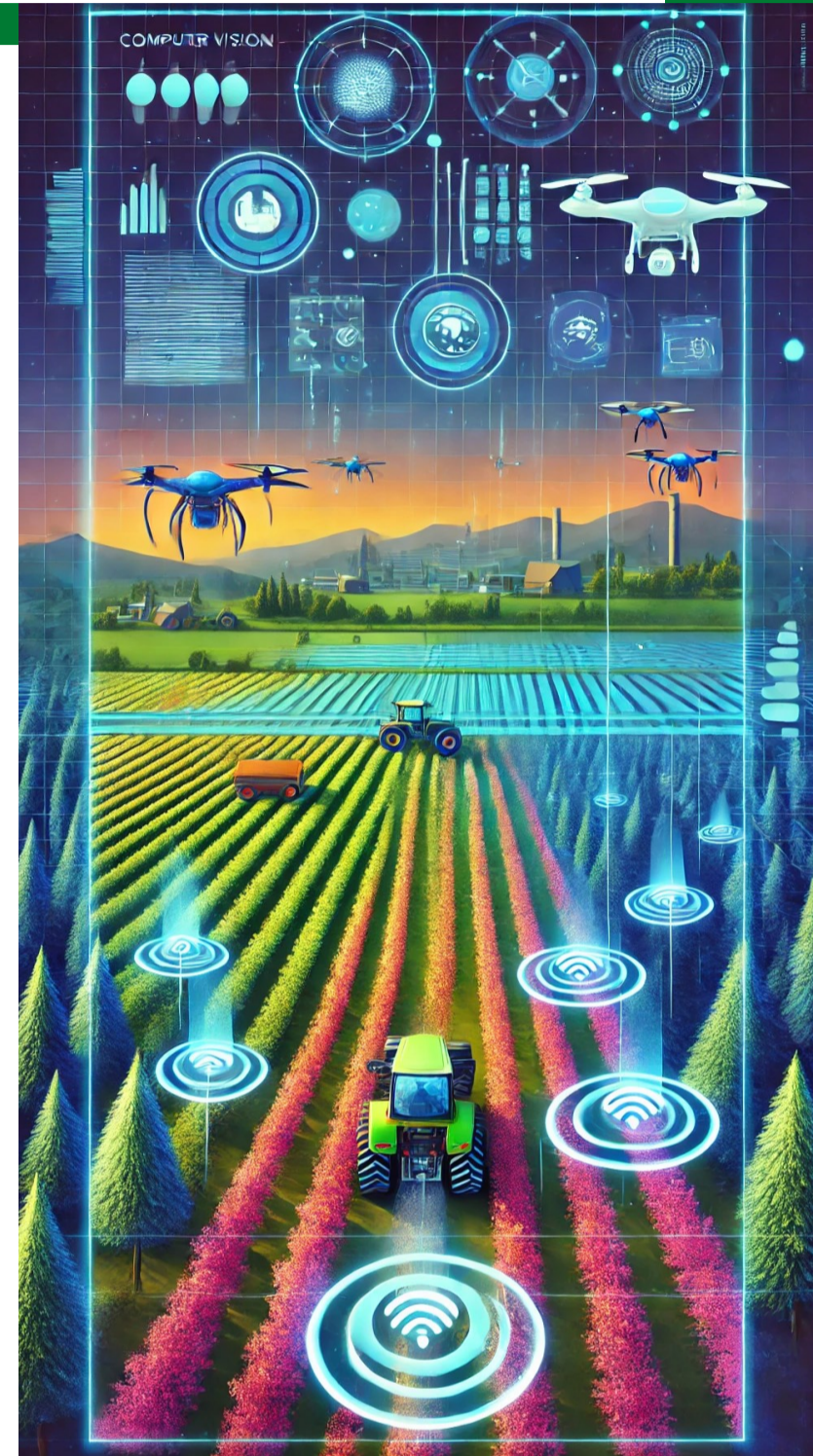
- Food quality monitoring
- Plant disease detection
- Animal and wildlife monitoring
- Multispectral and hyperspectral technologies
- Occupational health and safety

ECTS Credits: 5

Registration fee: €460 for ELLS/UNITUS students,
€500 for other students (includes accommodation, local
transportation, and main meals)

Course language: English

Application deadline: May 15, 2025



JUNE 15 – 20, 2025

For more information:

urly.it/315320



Contacts:

Leonardo Bianchini ✉ l.bianchini@unitus.it
Massimo Cecchini ✉ cecchini@unitus.it

Registration:

qrs.ly/ivgkanp



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ELLS Summer School 2025

Course Schedule

Before the summer school

Self-study online module:

Introduction to Python Programming (edited by Christian Krupitzer)

Sunday, June 15, 2025

18.00 Registration and welcome cocktail

Monday, June 16, 2025

9:00-11.00 Introduction to Machine Learning (Christian Krupitzer and Luciano Ortenzi)

11:30-13.00 Introduction to Computer Vision (Christian Krupitzer and Luciano Ortenzi)

15:00-18.00 Hands-on Computer Vision (Christian Krupitzer and Luciano Ortenzi)

Tuesday, June 17, 2025

9:00-11.00 Application of Computer Vision for Food Quality (Christian Krupitzer)

11:30-13.00 Application of Computer Vision for Plant Disease Detection and Phenotyping (Frédéric Cointault)

15:00-18.00 Free time

Wednesday, June 18, 2025

9:00-11.00 Application of Computer Vision for Animal Monitoring (Riccardo Primi)

11:30-13.00 Computer Vision and Wildlife Monitoring (Luciano Ortenzi)

15:00-18.00 Free time

Thursday, June 19, 2025

9:00-11.00 Multispectral and Hyperspectral Applications (Corrado Costa)

11:30-13.00 Multispectral and Hyperspectral Applications (Corrado Costa)

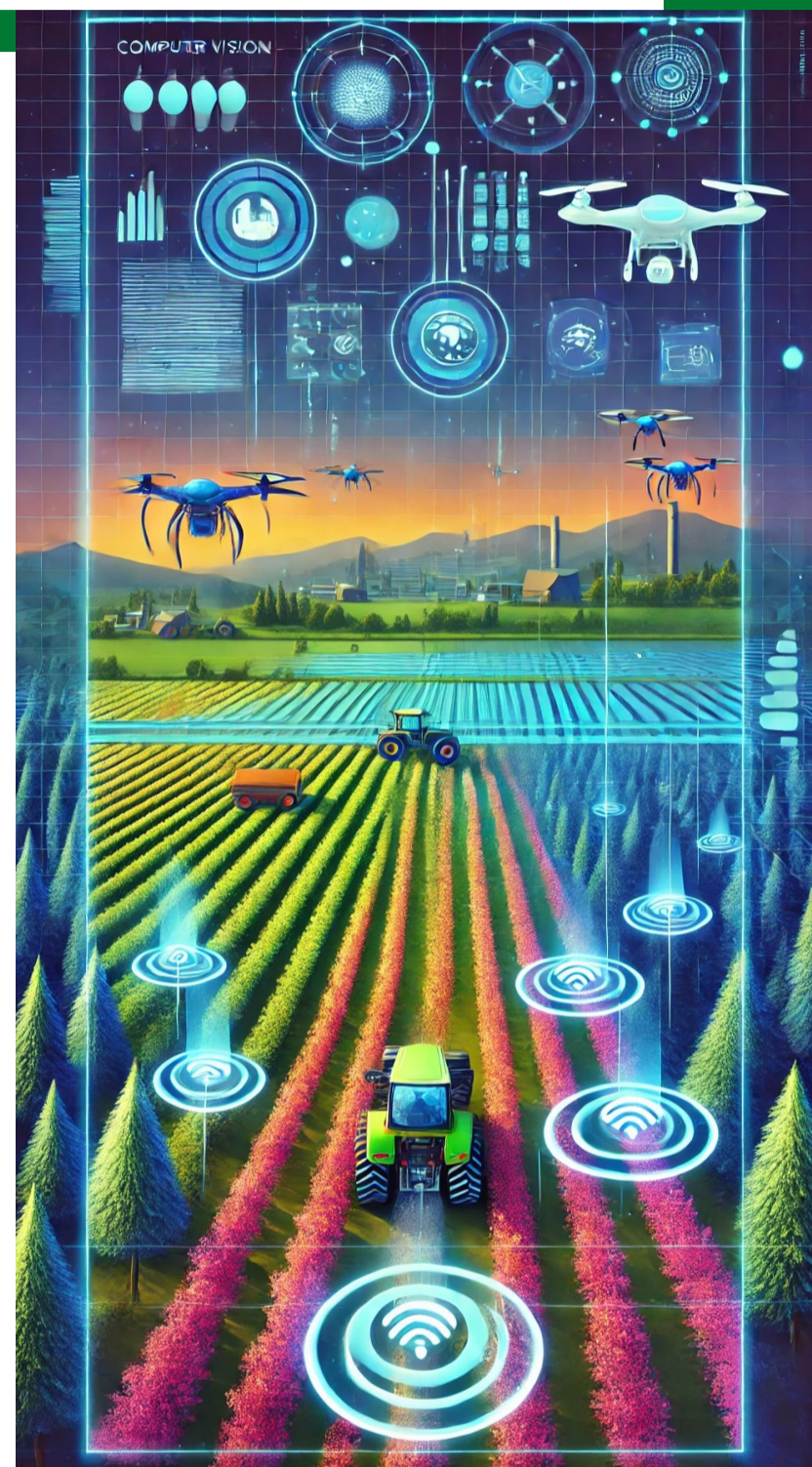
15:00-18.00 Visit to CREA-IT

Friday, June 20, 2025

9:00-11.00 Application of Computer Vision for Work Safety and Health (Massimo Cecchini, Leonardo Bianchini and Pierluigi Rossi)

11:30-13.00 Students present result (Exam)

15:00-18.00 Social lunch and Final ceremony



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