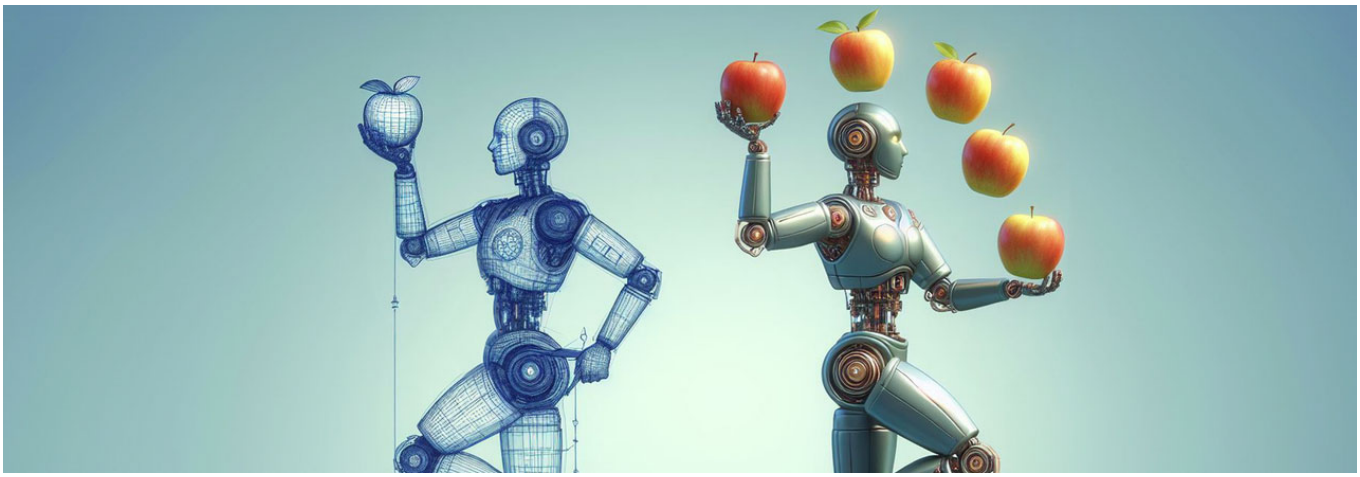
# Pioneering the Future of Robotics Education



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2 Minutes of Reading

Starting June 23, 2025, both online and in bookstores, a project by Springer Nature and Federica Web Learning that revolutionizes the study of robotics arrives. An integrated pathway based on the unprecedented MOOC&BOOK formula, an innovative educational format that combines the immediacy of multimedia learning with the rigor of in-depth study of the classic scientific manual. The series of four volumes 'Robotics Goes MOOC' published by Springer Nature is accompanied by a series of online courses 'Robotics & Robots', free and available to everyone on federica.eu, to ensure unprecedented access to the most advanced robotics content. The project is born under the scientific direction of Professor Bruno Siciliano, one of the leading international experts in the field, with the contribution of over thirty teams of world-renowned scholars and researchers. Designed for graduates and PhD students in engineering and applied sciences, robotics researchers and scientists from related disciplines, startups, and entrepreneurs active in the fields of robotics and artificial intelligence, the project combines a solid theoretical framework with digital tools oriented towards advanced training and practical application. The project takes shape after a workshop organized at the Springer headquarters in Heidelberg, one year after the publication of the second edition of the Springer Handbook of Robotics, curated by Bruno Siciliano, professor of robotics at the University of Naples Federico II, together with Oussama Khatib, director of the Stanford Robotics Laboratory. 'The experience of the Handbook pushed us to imagine a new way of sharing robotic knowledge, more accessible yet equally rigorous: from there the idea of Robotics Goes MOOC was born,' says Professor Siciliano, combining it with the multimedia teaching experience of the Federica Web Learning Center. 'With Robotics Goes MOOC, we wanted to overcome the limits of the traditional manual, offering a cross-sectional view of modern robotics articulated in four key paradigms. The contents are designed to engage with new scientific communities in different application contexts. In line with the idea that today the most significant

innovations occur at the intersection of different disciplines, it is there that robotics finds new stimuli and directions. What truly distinguishes this project from what already exists in the literature is the integration with dedicated MOOC courses. The contents of the volumes are accompanied by video lessons from the authors with support materials designed to guide and strengthen the understanding of the contents.' 'Robotics & Robots' launches a revolutionary educational format that transcends the traditional barriers of learning by offering an integrated knowledge ecosystem to anyone who wants to delve into the increasingly relevant themes of robotics,' explains Professor Fortunato Musella, director of the Federica Web Learning Center. 'The project represents a new standard in digital education at the international level. In a world where robotics represents one of the most promising frontiers of innovation, 'Robotics & Robots' is the bridge to new opportunities, a chance to transform a passion for technology into concrete skills.'