

TITLE: The Italian National Recovery and Resilience Plan (PNRR) and opportunities for robotics and AI

Description of the workshop proposal

The National Recovery and Resilience Plan (Piano Nazionale di Ripresa e Resilienza, PNRR), which is part of the Next Generation EU programme, is a measure designed to repair the economic and social repercussions caused by the pandemic crisis. In addition, the PNRR aims to tackling the weaknesses of the Italian economy and guiding the nation towards a path of ecological and environmental transformation. The PNRR outlines a strategy that involves directing € 191.5 billion from the so-called Recovery and Resilience Facility and € 30.6 billion from the Complementary Fund established by Italian Government. These resources have been allocated for investments around three strategic missions, namely digitization and innovation, ecological transition, and social inclusion. In this scenario, robotics and AI play a fundamental role in fostering innovation in several application fields, including medicine and health sector, industry, agriculture, services, energy, and many others. Through the PNRR several research and innovation projects have been already funded to Italian Universities, in some cases also in partnership with private companies. Large partnership between research institutes and companies will facilitate the exploration of unresolved challenges in several fields from a practical standpoint. The ultimate objective is to encourage the integration of robotics and AI solutions into everyday use, while also supporting academic research and promote a scientific culture nationwide, by funding PhD scholarships and academic positions.

The objective of this workshop is to raise awareness about the recently funded PNRR projects within the broad field of robotics and AI. Additionally, it seeks to encourage discussions regarding both the scientific outcomes achieved within the projects, as well as practical opportunities, such as cascade funding, open calls for companies, open calls for PhD scholarships and academic positions, and more.

To participate to the workshop, presenters should contact directly the organizers and provide information about the project they are willing to present. Main information include

- Title of the project
- Main objectives
- Type of project (PE, Infrastructure, Innovation ecosystem, others)
- Project website
- Other relevant information

Organizers:

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- Dr. Selene Tognarelli, Scuola Superiore Sant'Anna (selene.tognarelli@santannapisa.it)

Speakers:

Based on the result of the call for expressions of interest, the organizers will define the agenda.