

ALFREDO PICANO

Senior Technologist | Research Infrastructures, Innovation and Technology Transfer

PROFESSIONAL PROFILE

Senior technologist and mechanical engineer with over thirty years of experience in research infrastructure management, innovation, and technology transfer. He has worked at the intersection of public research, industry, and European programmes — coordinating multidisciplinary networks, managing access processes to advanced expertise and instrumentation, supporting the valorisation of research outputs, open innovation, and scientific data management. He has also been active as a lecturer and as an expert evaluator for the European Commission.

PROFESSIONAL EXPERIENCE

06/2023 – present **Senior Technologist – Infrastructure Manager, iENTRANCE@ENL** | National Research Council of Italy (CNR), ISMN

Operationally coordinates the national research infrastructure iENTRANCE@ENL, distributed across multiple nodes and dedicated to materials science, nanotechnologies, micro- and nanofabrication, clean energy, and circular economy. Contributes to governance, planning, and monitoring of activities, resources, risks, KPIs, and deliverables; oversees the service catalogue and access pathways, process quality and traceability, interoperability across nodes, and FAIR practices for scientific data management and reuse. Facilitates liaison with institutional and industrial stakeholders and the matching between experimental needs and network capabilities.

1998 – 06/2023 **Chairman and CEO** | Labor S.r.l.

Led the foundation and strategic development of a private research laboratory active in innovation and open innovation. Directed transnational R&D and technology transfer programmes, intellectual property valorisation and protection strategies, European project design, tenders, technology marketing, and collaborations between companies, universities, and research centres.

2015 – 2023 **Board Member** | Consorzio Tecnopolo Tiburtino

Governance, investment planning, and supplier selection for the managing body of the Tiburtino Technology Park.

2014 – 2021 **Board Member** | Invent S.r.l.

Evaluation of seed investments in innovative start-ups and monitoring of portfolio companies.

2008 – 2013 **Adjunct Professor** | University of Rome Tor Vergata

Teaching in the Master's programme in Photovoltaic Engineering, module: "Balance of Plant."

1995 – 2000 **Partner and Senior Consultant** | Innova S.r.l.

Coordinated over 100 technology transfer actions and developed cooperative research projects for European SMEs; advised the European Commission on innovative industrial processes and renewable energy.

KEY ACHIEVEMENTS AND PROFESSIONAL ROLES

- Coordination of the team that supported hundreds of organisations in accessing European Framework Programmes, contributing to over 90 research and innovation projects, more than 400 partners, and a combined value exceeding €100 million.
- External expert and evaluator for the European Commission, with assignments in the assessment of proposals and project results in research, innovation, energy, and research valorisation programmes.
- Project Technical Assistant for five CRAFT projects under the JOULE II programme: technical monitoring, participation in meetings, report review, and support to the scientific officer.
- Techno-economic analysis, technology assessment, and valorisation activities for the Joint Research Centre in Ispra and other European programmes, in the areas of renewable energy, eco-efficiency, biomass, photovoltaics, wind energy, telecommunications, and automotive technologies.
- Lecturer in technology transfer and open innovation in advanced courses for managers of the Chinese STEC network, Guangzhou, 2015 and 2017.

AREAS OF EXPERTISE

Research Infrastructures: operational governance, service catalogues, access management, KPIs, quality and continuous improvement. Scientific Data: FAIR principles, interoperability, traceability, reuse, and AI-readiness. R&D

Innovation and Valorisation: open innovation, technology scouting and assessment, TRL management, business models, and technology marketing. Intellectual Property: protection strategies, contracting, and monitoring of industrial implementation. Leadership: corporate

Programmes: planning and management of national and European projects, budgets, consortia, risk, and reporting. management, coordination of multidisciplinary teams, negotiation, and stakeholder engagement.

EDUCATION

Degree in Mechanical Engineering, Transport Mechanics — Sapienza University of Rome.

Experimental thesis: "Development of a simulator based on the analysis of vehicle cornering behaviour."

LANGUAGES

Italian: native. English: full professional proficiency. French: excellent comprehension and good written and spoken proficiency.

PERSONAL STATEMENT

Alfredo Picano works at the intersection between research and technology transfer.

For twenty-five years he led a private applied research laboratory, building collaborations between European SMEs and research institutions and learning first-hand where technology transfer succeeds and where it stalls. Since 2023 he has been Infrastructure Manager of iENTRANCE@ENL at CNR-ISMN, responsible for a national distributed infrastructure dedicated to materials, nanotechnologies, and advanced manufacturing. This dual trajectory — industrial before institutional — gives him an unusual vantage point on the gap between scientific capability and industrial application.