

Curriculum Vitæ of Paolo Bosetti

Bio Paolo Bosetti (paolo.bosetti@unitn.it)

Personal History

Academic Appointments

- Oct '19–Today Permanent position as **Associate Professor** at the Department of Industrial Engineering, University of Trento, Italy. Main research focus is on intelligent manufacturing within the Mechatronics Group. In charge of two post-graduate courses: *Design of Precision Systems* and *Digital Manufacturing*, and one graduate course, *Statistics for measurement*[1].
- Aug '15–Dec '20 Founder and Chief Scientific Officer of ProM Facility, a public-owned laboratory for prototyping mechatronic systems, with focuses on Additive Manufacturing, metrology systems, precision engineering, IoT, and artificial intelligence.
- Jan '04–Oct '18 Permanent position as **Aggregate Professor** at the Department of Industrial Engineering, University of Trento, Italy. Main research focus is on intelligent manufacturing within the Mechatronics Group. In charge of three post-graduate courses: *Manufacturing Automation, Design and Control of Product and Process*, and *Design of Production Systems*. In charge of a yearly 20-hr seminar for Ph.D. students on *Object Oriented Programming for Mechatronic Systems*. In charge of a yearly 20-hr seminar for Ph.D. students on *Experimental Statistics and Design and Analysis of Experiments*.

- Jan '11–Jul '12 **Visiting professor** at Stanford University for two periods of 6 months, invited by prof. Daniel B. DeBra. Co-teaching the course ME324 - *Precision Engineering* [22], and collaborating with the LISA group at the Stanford Hansen Experimental Physics Laboratory on research in the design of inertial navigation systems for satellites.
- 2010–today **In charge** of the manufacturing branch of the Mechanics Laboratory at the Department of Industrial Engineering, University of Trento. The laboratory has two CNC machine tools, a multiple-PLC flexible production system, some FDM 3-D printers, and an anthropomorphic robot arm, and hosts both research and teaching activities.
- Feb '02–Dec '03 **Postdoctoral Researcher** at the Department of Mechanical and Structural Engineering, University of Trento. Main Topic: FE simulation of thermal stability of scientific payload in LISA Project in collaboration with Prof. Stefano Vitale. Side Topic: FE simulation of thermal field stability of machine tools; mechanical and process design; development of algorithms for positioning error compensation in machine tools.
- Jan 1998–Jul '98 **Post-laurea Research Grant** at the Department of Materials Engineering, University of Trento. Topic: fabrication and characterization of ceramic sponge structures.

Education

- 1999–2002 **Ph.D.** in Engineering of Materials and Structures from University of Trento. Thesis title: *Numerical Methods Applied to the Study of Mechanical Phenomena in Brittle Materials*, advisor prof. Vincenzo M. Sglavo.
- (1998–99) *Military service, Italian Air Force)*
- 1991–97 **Laurea degree** in Materials Engineering, University of Trento. Thesis title: *Brittle Fracture Characterization of Composite Ceramics Si_3N_4/SiC_w* , advisor prof. Vincenzo M. Sglavo.

Editorial Appointments

2023–today **Associate Editor** of the *Journal of Intelligent Manufacturing* (Springer).

Research Projects

While in service a professor, I inspired and coordinated numerous funded research projects (public and private) with an overall budget exceeding € 2,100,000.

This document was prepared in Trento, Italy, on November 21, 2024

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According to Google Scholar, as of today my *H*-index is 25, with over 100 publications (see <https://scholar.google.it/citations?user=Ib1JKOEAAAAJ>).

Journal Papers

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Books

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