

## Curriculum Vitae

### PERSONAL INFORMATION Annamaria Gisario

📍 Sapienza, University of Rome, Department of Mechanical and Aerospace Engineering (DIMA)  
Via Eudossiana n. 18, 00184 Rome, Italy



✉ [annamaria.gisario@uniroma1.it](mailto:annamaria.gisario@uniroma1.it)

🌐 <https://corsidilaurea.uniroma1.it/it/users/annamariagisariouniroma1it>

| **Nationality** Italian

### WORK EXPERIENCE

September 2020 - today **Associate professor of Manufacturing and Production Systems (MS-IND/16)**

Department of Mechanical and Aerospace Engineering of Sapienza, University of Rome.

Main activities and responsibilities:

- Teaching: Advanced Technology, Production planning and statistical process control, Laboratory of Technological Innovation, at graduate level.
- Research: Laser processes of metallic, polymeric and composite materials; Compostable and biodegradable polymer processing; 3D and 4D printing of shape memory and programmable polymeric materials; Traditional numerical modeling and simulation of processes and manufacturing technologies; Applications of Artificial Intelligence and Expert Systems.

**Sector** Tertiary education and research

November 2010 - August 2020 **Assistant professor of Manufacturing and Production Systems (MS-IND/16)**

Department of Mechanical and Aerospace Engineering of Sapienza, University of Rome.

Main activities and responsibilities:

- Teaching: Advanced Technology, Production planning and statistical process control, Laboratory of Technological Innovation, at graduate level.
- Research: Laser processes of metals; Design and manufacturing of surface coatings based on organic, colloidal and inorganic materials; Finishing and surface processing by fluidized beds; Traditional numerical modeling and simulation of processes and manufacturing technologies; Applications of Artificial Intelligence and Expert Systems.

**Sector** Tertiary education and research

2008 - today **Member of the Scientific Council of CIRTIBS- Centro Interuniversitario di Ricerca sulle Tecnologie Innovative per i Beni Strumentali (translated: Interuniversity Center of Research of the Innovative Technologies for Capital Goods).**

#### Membership

2011 - today Member of Promozione L@ser in AITeM (laser processes group)

2003 - today Member of scientific committee of the journal "Applicazioni Laser", PubliTec

2002 - today Member of A.I.Te.M. - Associazione Italiana delle Tecnologie Manifatturiere (translated: Italian Association of Manufacturing Technologies)

#### Main research project coordination

- October 2018- April 2020 - Principal investigator for DIMA in SMART ALU project - POR-FESR LAZIO 2014-2020 Competitive repositioning - PHASE II. Public Call n. 4 KETS - ENABLING TECHNOLOGIES. Budget 95Keuro (financed by Regione Lazio);
- March 2019- November 2019 - Principal investigator for DIMA in RIUSA Project - POR FESR LAZIO 2014-2020 Competitive repositioning - PHASE II Call n. 8 CIRCULAR ECONOMY AND ENERGY. Budget 100Keuro (commissioned by Ariete - Fattoria Latte Sano S.p.A.);
- August 2021 – February 2022 - Principal Investigator for DIMA in BIOLINE Project - Operational Program PON Research and Innovation 2014-2020 Axis II - Cluster Action (II.2), "Green Chemistry" as specialization area. Budget 100Keuro (commissioned by Antonio Sada & Figli S.p.A.) + 80Keuro (commissioned by Sada Packaging S.r.l.).

### EDUCATION AND TRAINING

November 2009 - October 2010 **Annual research grant**

Department of Mechanical and Aerospace, Sapienza University of Rome

in the following research field: "Analysis of the micro-finishing process on metal surfaces by using laser technology"

December 2007- September 2009 **Post doc scholarships**

Department of Mechanical Engineering, University of Rome "Tor Vergata"

in the following research fields:

- "Employment of pulsed laser source for micro-structuring of the surface of polycrystalline silicon"
- "Foaming the solid state of functional components"
- "Surface treatments using high power diode laser source"

November 2004- May 2007 **PhD in "Engineering of the Materials"**

Department of Mechanical Engineering, University of Rome "Tor Vergata"

March 2002 – October 2002 **Training Course (500 hours)** "Expert in integration processes between research and technological

development in SMEs".

2001 **Master Degree in Edil Engineering** (five years degree)  
University of Rome "Tor Vergata"

**PERSONAL SKILLS**

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	

(\*)Common European Framework of Reference (CEF) level

Communication skills

Organizational skills and competencies

Digital skills

**ADDITIONAL INFORMATION**

Bibliometric data (January 26th, 2022) - **Scopus**: 108 items, 2541 citations, H-index 25 [Author ID: 24390501400]  
- **Google Scholar**: 110 items, 3354 citations, H-index 28 [Profile fXEg9uEAAA AJ&hl ] - -

Honors and Awards

- June 2003 - Award in the "Premio Idea 2002" call of BIC Lazio
- March 2007 - Award in the "Call for Ideas" of Lunet (Network of academic incubators for innovative spin-offs).
- July 2008 - "Best Paper Award" for the paper: Barletta M., Gisario A., Guarino S., Modelling of electrostatic fluidized bed (EFB) coating process using artificial neural networks, ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, vol. 20 (6), 2007, 721-733 ISSN: 0952-1976,
- February 2021 – "Best Paper Award" for the paper: Mehrpouya, M., Dehghanghadikolaei, A., Fotovvati, B., Vosooghnia, A., Emamian, S. S., & Gisario, A. (2019). The Potential of Additive Manufacturing in the Smart Factory Industrial 4.0: A Review. APPLIED SCIENCES, 9(18), 3865.

Rome, 20/08/2024