europass Curriculum Vitae

PERSONAL INFORMATION

Michele LANZETTA

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Gender Male | Date of birth 17/03/1966 | Place of birth Rome | Nationality Italian

OFFICE

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CURRENT POSITION AND MAIN TITLES

Appointed Full Time Associate Professor (since Jan. 2005)

SSD: ING-IND/16 Production Processes and Systems; SC: 09-B1

- Department of Civil and Industrial Engineering DICI, School of Engineering, University of Pisa
- Professor of Manufacturing Processes I and II in the undergraduate programs in Energy Engineering and in the graduate program in Mechanical Engineering, with 140+ students
- Deputy Director of the Interdepartmental Center for Lifelong Learning, Training and Educational Research (since 2018, re-elected in 2021)
- Head of the national Aitem Additive Manufacturing focus group (from 2013 to 2023)
- Founder and Director of 5 editions of the II level Master Program in Valorization of the Different Abilities and Inclusive Education
- Vice President of the aggregate undergraduate and graduate degree Programs in Industrial and Management Engineering (from 2016 to 2019)
- Member of the Council of the School of Engineering (from 2016 to 2022, re-elected in 2019) and of the Departmental Board (from 2013 to 2021, re-elected in 2016 and 2019)
- Visiting Professor at MIT, Stanford, University of Hawaii at Manoa and Tokyo
- Double National Scientific Qualification from the Italian ASN (2018 and 2014)
- Author of 160+ scientific publications, 60+ WOS&Scopus indexed, with 1500+ citations
- Inventor of commercialized patent on polished stone reflectivity measurement
- Associate Editor for the International Journal of Robotics and Computer Integrated Manufacturing
- Coordinator or Principal Investigator in 5 European and 2 National competitive Projects
- Responsible for industrial projects with EB Metal srl, Semar srl, SVI SpA, Cumdi srl, GKN Driveline SpA, Breton SpA, Jaked Yamamay group, FMN Martinelli SpA, Panasonic Japan

PAST POSITIONS

Oct. 1998 – Dec. 2004

Assistant Professor

Institute of Mechanical Technology, University of PISA

- Confirmed in the role Jan. 2002

Commission: Prof. Raffaello Levi, Prof. Fabrizio Memola Capece Minutolo, Prof. Gennaro Dionoro

- Assignee and ranked first in the competition for two assistant professors in the scientific-disciplinary sector I10X with 93.5/100 points

Commission: Prof. Marco Santochi, Prof. Paolo Bariani, Prof. Francesco Veniali

1997 – 1998

Research Collaborations

Department of Production Engineering, University of PISA

- Fellowship from the University *Qualital* Consortium within the National Programme “SPI 5, Welding”
- Fellowship in Projects for innovation in the stone sector

COORDINATION AND MEMBERSHIP OF SCIENTIFIC SOCIETIES

since Dec. 2013

Coordinator of the national Additive Manufacturing Aitem group

For the development and dissemination of additive manufacturing

- 120+ members from national universities, research centers and industries
- Coordination since 2013 of bimontly/half yearly online meetings attended by 20-60 Aitem members, for networking and for the development of research projects (Horizon 2020 and Prin Miur), minutes publicly available on the website
- Teaching activity for PhD students, post-docs and young researchers within the Aitem Summer School of I level (general purpose) or II level (specialized)
  - Roma 2015 (II level)
  - Palermo 2015
  - Pisa 2017
  - Udine 2019 (CISM)
  - Firenze 2019 (from Nanjing Forestry University CINA)
  - Padova 2019
  - Online 2020
- Invited lectures at national conferences and events
  - Bright Pisa 2015
  - Movet Firenze 2016
  - Navicelli 2016
  - Arena AM MecSpe Parma 2019
  - ARTES 4.0 Scuola Normale Superiore Capannori LU 2019
  - Rina BHGE MAM Firenze 2019
  - SPS Forum Meccatronica Firenze 2019 (moderator)
  - SPS Digital Days online 2021 (moderator)
- Scientific Coordination and moderation of conferences with speakers from the main national research groups active on AM
  - MecSpe Parma 2014
  - 3DPrint Hub Milano 2015
  - MecSpe Parma 2015
  - Technology Hub Milano 2016
  - MecSpe Parma 2016
  - Technology Hub Milano 2017
  - MecSpe Parma 2018
  - SPS Parma 2019
  - MecSpe Parma 2019
  - SW4AM Online 2021
- Coordination of the vocational training for company managers on Additive Manufacturing
  - Additive Manufacturing Academy BHGE Firenze 2018 (more details in the specific section)
  - Appointment by the Aitem Council for the institution of the first Aitem Academy for Companies online/laboratory on Additive Manufacturing on SW4AM (more details in the specific section)
- developed and in charge of the additivemanufacturing.work website

since 2011

University delegate in Regional Tuscan industrial clusters

Technical and Scientific Committee member in two of the twelve strategic regional clusters until their deactivation in 2016

- Polo Pietre Toscane, industrial stone sector
- Organization of technological transfer event
- Funding by Cosmave (LUCCA, ITALY): € 800
- Polo Cento, industrial design, furniture and camper sector
- Since its activation (2016), member of the Steering Committee of Technological District for Creativity, Design and Made in Italy
- distrettointerniedesign.it

2007 - 2022

Associate Member of the CIRP Academic Society

The leading global Academy for Production Engineering cirp.net

- reappointed for a three-year period on the basis of scientific activity and participation (summarized below) over the years
  - 2019
  - 2016
  - 2013
  - 2010

Legend: GA General Assembly; STC Scientific Technical Committee; A Life cycle assessment & Assembly; E Electro-Physical & Chemical Processes; O Production Systems & Organization; P Precision Engineering & Metrology

- Attendance at GAs and work (all) presented personally (STC of the work presented):
  - Munich (online) 2021
  - Birmingham UNITED KINGDOM 2019
  - Copenhagen DENMARK 2013 (A)
  - Pisa 2010 (A)
  - Manchester UNITED KINGDOM 2008 (E)
  - Kobe JAPAN 2006 (E)
  - Nancy FRANCE 2001 (A)
  - Montreux SWITZERLAND 1999 (A)
- Participation in the Winter meetings in Paris:
  - 2021
  - 2020
  - 2017
  - 2016
  - 2014
  - 2013
  - 2012
  - 2009
- Technical presentations (STC of the presentation) and participation in the Winter meetings in Paris or in the GAs part II:
  - 2018 (A)
  - 2015 (E)
  - GA 2013 (P)
  - 2011 (O)
  - 2010 (E)
  - GA 2001 (A)
- Invited Keynote Co-Author: 2013 (A)
- Participation in the Italian translation of the CIRP A Dictionary (2012)
- Creation and administration of the official LinkedIn Group

https://www.linkedin.com/groups/80778/ [created 2008 - administrator - 1.200+ members]

since 2006

Member of the PhD Councils

University of Pisa

- in Industrial Engineering, from 2022 and from 2016 to 2019
- in Mechanical Engineering, until decommissioning in 2015
- in Automation, Industrial Robotics and Bioengineering, until decommissioning in 2015

since 1995

Member of the Aitem Academic Society

Italian Association of Manufacturing Technologies, an expression of the scientific-disciplinary sector (SSD) Ing/Ind-16 and of the competition sector (SC) 09/B1, formerly I10X

- member of the teaching board (from 2021 to 2023)
- contact person for the University of Pisa, for various territorial organizational and scientific initiatives (from 2005 to 2023)
- participation in biennial conferences
  - Milan 2021 1 work presented personally
  - Padua 2019 1 work presented personally
  - Pisa 2017 1 poster personally presented, organizing committee (more details in the specific section)
  - Palermo 2015 1 work presented personally
  - Montecatini PT 2007 1 work presented personally
  - Lecce 2005 1 work presented personally, teaching award (more details in the specific section)

- Gaeta LT 2003 3 works presented personally
- Bari 2001 3 works presented personally
- Brescia 1999 1 work presented personally
- Fisciano SA 1997 1 work presented personally
- Padua 1995 1 work presented personally

aitem.org

COORDINATION OF COMPETITIVE PROJECTS

Jan 2024 - Mar. 2025

Regional Project Digital Enterprise EB Metal srl

Sheet metal bending and cutting processing. Location: Monte San Savino AR

- Role: Principal Investigator
- Funding: k€ 50
- Duration: 15 months, with 3 fellows
- Research: development of a flexible HW/SW system based on a robotic arm for the autonomous unloading of laser cutting machines guided by artificial vision

Sep. 2022 - Aug. 2025

Erasmus+ TET

The Evolving Textbook

- Role: CAFRE DICI Principal Investigator
- Partners: University of Ljubljana (SLOVENIA), coordinator, Rzeszow University of Technology (POLAND), Royal Institute of Technology (SWEDEN), DICI University of Pisa
- Funding: k€ 250 (University of Pisa k€ 60)
- Erasmus+ Programme, Strategic Partnerships Key Action KA2 - Cooperation for innovation and the exchange of good practices, Action Type KA220 - Cooperation Partnership in Higher Education, Call 2022, Round 1
- Duration: 36 months
- Contract No. KA220-HED-00ABA996

Feb. 2022 - Jan. 2025

Erasmus+ MarbleTECH

New educational approach of innovative technologies and eco-advances in the marble industry

- Role: Project Coordinator
- Partners: Institute for Technology Transfer and Innovations (BULGARIA), Creative Thinking Development (GREECE), Bogazici Universitesi (TURKEY), Virtual Campus lda (PORTUGAL), Asociación Empresarial de Investigación Centro Tecnologico del Marmol y la Piedra (SPAIN), Desinope 323 s.l. (SPAIN), C.G.S. di Coluccia Michele & C. s.a.s. (ITALY), Internazionale Marmi e Macchine Carrara Spa (ITALY), CAFRE DICI University of Pisa (COORDINATOR)
- Funding: k€ 375 (University of Pisa k€ 61)
- EU Erasmus+ Programme, Strategic Partnerships Key Action KA2 - Cooperation for innovation and the exchange of good practices, Action Type KA202 - Strategic Partnerships for vocational education and training, Call 2021, Round 1
- Duration: 36 months
- Score: 88/100 (eligible, funded)
- marbletech.eu

Sep. 2019 – Dec. 2022

Erasmus+ MAESTRO

MAnufacturing Education for a suSTainable fourth industRial revOlution

- Role: DICI Unit Coordinator
- Partners: Royal Institute of Technology (SWEDEN), coordinator, Polytechnic University of Rzeszow (POLAND), University of Loughborough (UK), University of Ljubljana (SLOVENIA), NOVA University of Lisbon (PORTUGAL), Polytechnic University of Turin, DICI University of Pisa
- Funding: k€ 301 (University of Pisa k€ 42)
- EU Erasmus+ Programme, Strategic Partnership Key Action KA2 - Cooperation for innovation and the exchange of good practices, Action Type KA203 - Strategic Partnerships for higher education, Call 2019, Round 1
- Duration: 40 months, with 2 professors from the University of Pisa
- Contract No. 2019-1-SE01-KA203-060572
- Results: production of university teaching modules on Industry 4.0 and sustainability, Q1 publication resulting from the WP O2 coordinated by the undersigned

1 May 2021 – 31 Dec. 2021

Collaboration with the Municipality of Pisa

Competitive call of the Regional Authority for the Guarantee and Promotion of Participation Regional Law 46/2013

- Role: Principal Investigator
- Funding: € 32.000
- Duration: 8 months, with 2 external experts, 8 groups driven by experts/professors and 30+ university students
- Research: Let us participate! Pisa city for young people; survey finalized to the analysis of high school, university students and young workers from 16 to 30 year old, with qualitative (20+ interviews) and quantitative (1100+ questionnaires) survey

Sep. 2018 – Aug. 2021

Erasmus+ ICCT

Interactive Course for Control Theory

- Role: CAFRE Unit Coordinator
- Partners: University of Ljubljana (SLOVENIA), coordinator, University of Budapest (HUNGARY), University of Rijeka (CROATIA), CAFRE University of Pisa
- Funding: k€ 267 (University of Pisa k€ 78)
- Erasmus+ Programme, Strategic Partnership Key Action KA2 - Cooperation for innovation and the exchange of good practices, Action Type KA203 - Strategic Partnerships for higher education, Call 2018, Round 1
- Duration: 36 months, with 4 professors from the University of Pisa
- Contract No. 2018-1-SI01-KA203-047081
- Awarded as the Best Project 2022, by the Erasmus Agency

icct.cafre.unipi.it

Sep. 2018 – Feb. 2021

EU Project Cospirom

COmmon SPaces for Integration of ROMa

- Role: CAFRE Unit Coordinator
- Partners: University of Thessaly (GREECE), coordinator, of Municipality Volos KEKPA-DIEK (GREECE), Western University of Timisoara (ROMANIA), CAFRE University of Pisa
- Funding: k€ 431 (University of Pisa k€ 98)
- European Commission Directorate General Justice and Consumers, European Union Programme Rights, Equality and Citizenship 2014-2020, REC-RDIS-DISC-AG-2017
- Duration: 24 months (extended due to Covid19), with 5 professors from the University of Pisa
- Contract No. 809859
- cospirom.sed.uth.gr

Jan. 2019 – Jun. 2020

Project funded by the Department for Equal Opportunities of the Presidency of the Italian Council of Ministers

Forbidden to Violate

- Role: Project Coordinator
- Partners: CAFRE University of Pisa (COORDINATOR), SOIS Italian Society of Sociology, OSIM Observatory of International Studies on the Mediterranean, Steadfast Onlus, Migrant Unit, Culturae
- Funding: k€ 122
- Programme for the prevention and combating of gender-based violence. Order of 18 July 2017
- Duration: 18 months
- vietatoviolare-cafre.unipi.it/

Apr. 2020

Erasmus+ MARBLIN

Innovation for the MARBLe INdustry

- Role: Project Coordinator
- Partners: Institute for Technology Transfer and Innovations (BULGARIA), Creative Thinking Development (GREECE), Bogazici Universitesi (TURKEY), Virtual Campus Ida (PORTUGAL), Asociacion Empresarial de Investigacion Centro Tecnologico del Marmol y la Piedra (SPAIN), Desinope 323 s.l. (SPAIN), C.G.S. di Coluccia Michele & C. s.a.s. (ITALY), Internazionale Marmi e Macchine Carrara Spa (ITALY), University of Pisa (COORDINATOR)
- Budget: k€ 375 (University of Pisa k€ 61)

- EU Erasmus+ Programme, Strategic Partnerships Key Action KA2 - Cooperation for innovation and the exchange of good practices, Action Type KA202 - Strategic Partnerships for vocational education and training, Call 2020, Round 1
- Duration: 36 months
- Score: 81,5 (eligible, not funded)

2015 - 2019

Regional SCY Project

Smart Construction Yard, development of smart construction machines

- Role: DICI Unit Coordinator
- Partners: Imer SpA Poggibonsi SI (coordinator), Altaquota Information Technologies Srl Campomaggio SI, Consorzio Terranuova Terranuova Bracciolini AR, DIEF and DIDA University of Florence, DESTEC and DICI University of Pisa
- Funding: M€ 3.8 (DICI: k€ 100)
- Duration: 36 months (with multiple remodulations and extensions), involving 3 fellows
- Unit research: development of a smart plug for the monitoring of the construction project advancement based on the analyses of load profiles of various yard machines for loading, mixing and cutting operations
- Results: prototype, experimental tests, technology transfer to industrial partners, Q1 paper

Nov. 2016 – Ott. 2018

Erasmus+ BIOPLASTICTRAIN

Training content and e-learning platform to upgrade plastic transformation technicians skills to be ready to work with biomaterials and bioplastics

- Role: ICT Coordinator
- Funding: k€ 197
- Duration: 24 months
- EU Erasmus+ Programme

Dec. 2010

Project funded by the Italian Ministry of Defense

Based on the additive manufacturing D-Shape project (3Dprinting)

- Role: DICI Unit Coordinator
- Partners: Dini Engineering/Dinitech, Cascine di Buti (PI) (coordinatore) and DICI University of Pisa
- DICI funding: k€ 80
- Project: Study and implementation of a rapid system of fixed positions of conglomerate structures for ballistic protection and against explosive attacks (1st phase)
- Research: Kinetic simulation equipment and studies
- Contract n. 1303 of 12/2010

2009

Cornet ASALP

Automatic Sorting and Assessment System of Leather Plies for the Tannery Sector

- Role: DICI Unit Coordinator
- 4 bilateral partners: Italy-Spain
- Funding: M€ 2.1 (DICI: k€ 115+27)
- Programme: EU Cornet
- Research: Development of machine vision system

2003

Project funded by Pisa Savings Bank Foundation

Development of an automatic leather handling and inspection system

- Role: Coordinator
- Funding: k€ 300
- Competitive Peer Review Based Assessment
- Duration: 24 months
- Results: creation of two prototypes, experimental tests, technology transfer to local companies in the tanning sector, Scopus publications and patent

COORDINATION OF SCIENTIFIC PROJECTS

May 2022 – Feb. 2024

Semar srl Project

Jewelry manufacturer. Seat: Badia al Pino AR

- Role: Principal Investigator

- Funding: k€ 40 (materials, machinery and equipment)
- Duration: 12 months, involving 3 graduate fellows
- Research: development of a flexible HW/SW system based on a high-precision robotic arm for assembly, machining and welding of microcomponents guided by artificial vision

May 2022 – Feb. 2024

SVI SpA Project

Global manufacturer of service rail carriages. Seat: Lucignano AR

- Role: Principal Investigator
- Funding: k€ 98
- Duration: 18 months, involving 3 graduate fellows
- Research: development of an HW/SW system based on an autonomous robotic inspection arm guided by machine vision for railway infrastructures

Feb. – Jul. 2022

Cumdi srl Project

Global tool shaft centerless grinder. Seat: Germignaga VA.

- Role: Principal Investigator
- Funding: k€ 54
- Duration: 6 months, with 2 graduate fellows
- Research: Development of a low-impact recycling method for tungsten carbide grinding chips
- The research resulted in a publication in Materials (2022: JCR Q2 - IF 3.4)

15 Dec. 2020 – 15 Mar. 2021

ENBIFA Project

National Bilateral Body for Insurance Training. Seat: ROME

- Role: Principal Investigator
- Funding: € 13.600
- Duration: 3 months, with 3 external collaborators, 15 university students and 25 secondary school students, within their institutional traineeship programme with CAFRE
- Research: survey, aimed at analyzing the digital revolution of the insurance market and educational needs, qualitative (10 interviews) and quantitative (800 questionnaires to staff of the main insurance companies and 800 questionnaires to customers)

2017 – 2018

GKN Driveline SpA Project

Multinational automotive corporation in the production of half shafts. Seat: FIRENZE.

- Role: Principal Investigator
- Funding: k€ 208
- Duration: 12 months, 5 fellows involved
- Research: development of a HW/SW station for the inspection of 60 types of defects on 2500 parts/day belonging to 200+ families (virtually for every vehicle globally) with 8 motorized cameras on a fully automatic flexible cell powered by robots and with a reprogramming system based on self-learning
- Results: 6 stations installed in 2+ production sites in Europe, Q1 paper

2016 – 2017

GKN Driveline SpA Projects

Multinational automotive corporation in the production of half shafts. Seat: FIRENZE.

- Role: Principal Investigator
- Funding: k€ 120
- Duration: 18 months, 5 fellows involved
- Research: development of a station for the inspection of 40 defects on 1500 parts/day belonging to 15 families with 5 motorized cameras on a cell powered by robots
- Installed and operating. Being cloned into more cells and other production sites
- Project extensions: for staff and CAD training (+k€ 24, +k€ 8.4)

2016

Jacobacci & Partners Project

Patent consultancy. Seat: MILAN, ITALY

- Funding: € 3.100
- Duration: 2 months
- Search: configuration of woodworking and stone processing

2012

Breton SpA Project

World leader in polishing plants. Seat: Castello di Godego TV

- Role: Principal Investigator
- Assignment of the patented reflectometer license (k€ 15)
- Funding: k€ 54
- Research: engineering of the patented reflectometer for use in natural and artificial stone polishing plants
- Patent No. PI/2007/A/000105, Sep. 10th, 2007
- The patent was officially negotiated in 2009 with the company Identag srl, a spin-off of the University of Pisa (the company ceased activity)
- First device marketed as Reflexmeter Shine Master and delivered in USA Sep. 2013 + 5 more
  macchinepermarmoegranito.blogspot.com/2014/10/breton-shine-master-reflex-meter.html

2009 – 2010

Project Homologation of World Champion Swimwear

Project funded by Jaked S.r.l., Inticom SpA group (trademark Yamamay), Gallarate (VA)

- Role: Principal Investigator
- Funding 2010: € 13.200
- Funding 2009: € 14.400
- Partner: Department of Aerospace Engineering.
- Results: Findings were included in the next international FINA rules on technical textile permeability.
- The researchers were explicitly thanked for the success of the homologation and consequent achievement of the world title and achievement of the record by dedicating the entire page no. 4 of Corriere della Sera and Gazzetta dello Sport (major national newspapers)

2010

FMN Martinelli SpA Project

Leading company in the production of design handles. Headquarters: Casto BR

- Role: Principal Investigator
- Funding: € 5.600
- Duration: 6 months, involving 2 fellows in automation engineering
- Research: state of the art and innovation of knob manufacturing technologies

2008

ICI Italia srl Project

Glue manufacturer. Division National Starch & Chemical, Mezzago MI

- Role: Principal Investigator
- Funding: € 7.200
- Duration: 6 months, involving 2 fellows in automation engineering
- Research: automated visual inspection of transparent glue packages

2005

CGS sas Project

Provider in Pisa of Eurogranit SpA, Massa

- Role Principal Investigator
- Funding: € 3.600
- Duration: 3 months, involving 1 graduate fellow
- Research: development of an online acquisition system for granite slabs on polishing line and rendering software for slab layout simulation

2003

Salvatori srl Project

Natural stone processing, Querceta LU

- Role Principal Investigator
- Funding: k€ 25
- Duration: 18 months, involving 1 graduate fellows
- Research: reorganization of the production site

INTERNATIONAL SCIENTIFIC ACTIVITY

Jun. – Sep. 2022

Visiting Scholar Stanford

Biomimetics Laboratory, Center for Design Research, Mechanical Engineering Research Laboratories, Stanford University, CA (USA)

- Host: Prof. M. Cutkosky, Laboratorio head and inventor of SDM
- Research: modeling the incipient cutting of metal

Nov. 2021 – Feb. 2022

Erasmus Program

For cooperative research and teaching

- Role: Host
- Visiting Erasmus professor: Prof. T. Berlec, Ljubljana University
- Research: Shared manufacturing by blockchain

Sep. 2021 – Mar. 2022

Host for Visiting Professor and PhD student

University Incentive for Visiting Fellows 2020 and 2021 from University of Pisa

- Role: Host
- Visiting Fellow: Prof. M. Cutkosky, Stanford University (CV, i10-index Google Scholar 293) and Dr. Amar Hajj-Ahmad (Feb. 2022)
- Funding 2021: €6,000 + 3,000
- Funding 2020: k€16.5 (delayed until Sep. 2021 for sanitary emergency)
- Research: micromachining for the mass production of adhesive (gecko) material

since Feb. 2020

Coordinator International Cooperation with the Nanjing Forestry University (CHINA)

Bilateral Cultural and Scientific Cooperation Agreement

- Role: University of Pisa Coordinator
- Duration: 5 year duration (renewable)
- exchange of students
- exchange of staff
- attendance at international conferences
- summer school
- double degree

Jul. – Sep. 2018

Visiting Scholar Stanford

Biomimetics Laboratory, Center for Design Research, Mechanical Engineering Research Laboratories, Stanford University, CA (USA)

- Host: Prof. M. Cutkosky, Laboratorio head and inventor of SDM
- Research: non conventional manufacturing a permanent mold for the mass production of adhesive (gecko) material

Jun. – Sep. 2016

Principal Investigator in project funded by Panasonic Japan and Visiting Scholar at Stanford University USA

Cooperation with AVC Networks Company, Panasonic Corporation, Osaka (JAPAN)

- Role: Principal Investigator
- Host: Biomimetics Laboratory, Center for Design Research, Mechanical Engineering Research Laboratories, Stanford University, CA (USA)
- Host: Prof. M. Cutkosky, Laboratory Head
- Funding by Panasonic: $10.000
- Research: development of innovative optical sensor: 3D Surface Topology Reconstruction (STR) System for the inspection of surfaces

Jun. – Sep. 2014

Bilateral Exchange Program co-Coordinator and Visiting Scholar Massachusetts Institute of Technology USA

MIT MISTI UNIPI 2013

- Role: University of Pisa Coordinator
- Funding: €6.000 + personal research funding,
- Host: Dr. K. Iagnemma, Laboratory Head, Robotics Mobility Group of the Laboratory for Manufacturing and Productivity of the MIT Massachusetts Institute of Technology, MA (USA)
- 5 applications selected among 19
- Supervisor of Final Project in Automation Engineering at MIT
- Research: development of a gripper based on non newtonian fluids

Apr. – May. 2012

Trainer for Educational Administrators from Vietnam Ministry

Overseas Short term Training Programs For Educational Administrators in Planning Methodology and Policy Planning for Disadvantaged Areas – Ministry of Education and

Training - MoET of Vietnam, at the University of Pisa, agreement with CONSIA Consultants (DK) and Southampton University (UK)

- Topic: design and management of an educational organization

Jun. – Sep. 2011

Visiting Scholar MIT

Robotics Mobility Group, Laboratory for Manufacturing and Productivity, MIT Massachusetts Institute of Technology, MA (USA)

- Funding: Department
- Host: Dr. K. Iagnemma, Laboratory Head
- Research: development of an innovative gripper based on magnetorheological fluids

Jul. – Sep. 2009

Visiting Scholar MIT

Precision Compliant Systems Lab, Laboratory for Manufacturing and Productivity, MIT Massachusetts Institute of Technology, MA (USA)

- Host: Prof. M. Culpepper, Laboratory head
- Research: development of a positioning device with nanometric position by artificial vision feedback
- appointed to MIT by NanoInk (Skokie, IL, USA)

Jun. – Jul. 2009

Visiting Professor Manoa

University of Hawaii at Manoa

- Class: MATH 402, sec 601, Partial Differential Equations I, interfaculty, 3rd year. 5 ECTS
- Contribution: $6.000

Aug. 2008

Socrates Visiting Professor

Laser Processing Research Centre, School of Mechanical, Aerospace and Civil Engineering, University of Manchester (UK)

- Host: Prof. L. Li, Centre head
- Seminar on active research topics

Jun. – Sep. 2007

Visiting Scholar Stanford

Biomimetics Laboratory, Center for Design Research, Mechanical Engineering Research Laboratories, Stanford University, CA (USA). Host: Prof. M. Cutkosky, Laboratorio head and inventor of SDM

- Research: the gecko inspired climbing robot project, development of a new method to make limbs by SDM Shape Deposition Manufacturing

Jun. – Aug. 2006

JSPS Visiting Scholar Tokyo University

Institute of Industrial Science, University of Tokyo

- Host: Prof. H. Hashimoto, Laboratorio Head and inventor of the intelligent space concept
- Fellowship: M¥ 1.6
- Funder: JSPS Japan Society for the Promotion of Science, Ministry of Education, by Matsumae International Foundation
- Research: application of the intelligent space concept in manufacturing

Jun. – Sep. 2004

Visiting Scholar Stanford

Biomimetics Laboratory, Center for Design Research, Mechanical Engineering Research Laboratories, Stanford University, CA (USA) with fellowship (€ 2.000) from the Italian CNR National Research Council. Host: Prof. M. Cutkosky, Laboratory head

- Research: development of the climbing robot, development of spine based components and experimental analysis of the interaction with the surface

Jun. – Oct. 2002

Visiting Scholar MIT

Three Dimensional Printing Lab, Laboratory for Manufacturing and Productivity, MIT Massachusetts Institute of Technology, MA (USA)

- Host: Prof. E. Sachs, Inventor of 3DPrinting and Laboratory head
- Research: experimental analysis of the infiltration of sintered powder skeletons by eutectic gold alloys

May. – Oct. 2000

Visiting Scholar MIT

Three Dimensional Printing Lab, Laboratory for Manufacturing and Productivity, MIT
Massachusetts Institute of Technology, MA (USA)

- Host: Prof. E. Sachs, Inventor of 3DPrinting and Laboratory head
- Fellowship: M£ 9
- Funder: Italian CNR National Research Council
- Research: development of an experimental 3DPrinting machine and parameter optimization with ceramic and metal powders

Jun. – Jul. 1996

Visiting Researcher Stanford

Computer Vision Laboratory, Stanford University, CA (USA)

- Host: Prof. C. Tomasi, Laboratory Head
- Fellowship: M£4 by the Italian CNR National Research Council
- Funding: summer tuition fee $1.000 by the Host
- Research: image matching in stereo vision by epipolar lines (using Matlab)
- Non compulsory PhD activity
- Research: matching of stereo images by epipolar lines

Apr. – Dec. 1991

Erasmus Program

Ecole Nationale Supérieure de l'Aéronautique et de l'Espace, Toulouse (FRANCE)

- Host: Dr. C. Colongo, Director Laboratoire Véhicules Aérospatiaux
- Fellowship: k£400/month from University of Pisa
- First student in Aerospace Engineering
- Final project and two teaching projects in Aeronautical Engineering
  - Development of the simulation program for the orbital rendez-vous of the European Hermes shuttle with flight equations and graphics of the space station
  - Development of a robot gripper
  - Study of the flight quality of a mono seat bi-reactor in canard configuration

Official Visits to international Universities

Aug. 1999	Trinity College and Dublin City University, Dublin (IRELAND)
Apr. 1998	Robotics Laboratory, Oxford College (UK)
Sep. 1996	Polytechnic of Ilmenau and Technical University Mittweida (GERMANY)
Feb. 1993	School of Maintenance Engineering, University of Canton (CHINA)

JOURNAL AND CONFERENCE BOARD

since Mar. 2020

Associate Editor International Journal Robotics & CIM

Robotics and Computer Integrated Manufacturing UK

- ISSN 07365845
- H index 100 Scimago Q1
- CiteScore 12.5 Impact Factor 10+
- 50+ papers evaluated
- www.journals.elsevier.com/robotics-and-computer-integrated-manufacturing/editorial-board

21-23 Sep. 2022

Organizer Helmeto session on

Manufacturing Education for a Sustainable fourth industrial revolution

- 4th International Conference on Higher Education Learning Methodologies and Technologies Online, Palermo
- 7 papers
- helmeto2022.unipa.it

since 2021

Founder and Editorial Committee member of the International Journal Standards

MDPI Open Access

- ISSN 2305-6703
- www.mdpi.com/journal/standards/editors

since 2021 **Editorial Committee member of the International Journal Sustainability**
MDPI Open Access

- ISSN 2071-1050
- H index 85 Scimago Q2
- CiteScore Scopus 3.9 Impact Factor 3.251
- www.mdpi.com/journal/sustainability/editors

since 2021 **Editorial Committee member of the International Journal IJMMS**
Inderscience Publishers *International Journal of Mechatronics and Manufacturing Systems*

- ISSN online 1753-1047 print 1753-1039
- H index 14 Scimago Q3
- www.inderscience.com/jhome.php?jcode=ijmms

since 2021 **Scientific Committee member of CIRP CMS**
since 54^ CIRP Conference on Manufacturing Systems CMS 2021

- cirp-cms2021.org/organization-international-scientific-committee

since 2020 **Scientific Committee member of CIRP LANE**
since 11^ CIRP Conference on Photonic Technologies

- www.lane-conference.org

since 2021 **Scientific Committee member Series *Journey around the man***
Felici Publisher Pisa

since 2020 **Scientific Committee member Series *Culture and Education***
Il Campano Editions Pisa

- edizioniilcampano.it

2017 **Member of the Organizing Committee of the Aitem Conference**
Biennial Conference of the Italian Academy for Production Engineering

- organization of the expert round table on Industry 4.0 with top managers from BHGE, Breton, SKF
- developed the permanent conference aitem.dici.unipi.it website

since 2014 **Editorial Board Member of the International Journal Advances in Robotics Research**
Techno Press KOREA

- ISSN 2287-4976 (print) ISSN 2287-4984 (online)
- www.techno-press.org/?journal=arr

2010 **Member of the Organizing Committee of the International CIRP Congress**
The conference hosted in Pisa reached the record attendance of 700 participants

- designed and developed the conference blog
- cirp2010.blogspot.com

Editorial Board Member

- G&M Associated sas *Diamante* gmassdiamante.com ISSN 1824-5765
- Promorama *Marmo Macchine* marmomacchine.it
- Tecniche Nuove *Automazione Integrata* automazionenews.it

Referee for the International Journals

- Additive Manufacturing Letters
- Automation in Construction
- International Journal of Mechatronics and Manufacturing Systems
- Applied Sciences
- Optics and Laser Technology (JOLT)
- Computers and Operations Research (COR)

- CIRP Journal of Manufacturing Science and Technology
- Measurement Science and Technology (MST)
- Journal of the Mechanical Behavior of Biomedical Materials (JMBBM)
- Computer Communication & Collaboration (Honorary Reviewer)
- Artificial Intelligence for Engineering Design Analysis and Manufacturing (AI EDAM)
- Journal of Materials Processing Technology (PROTEC)
- Journal of Precision Engineering and Manufacturing (IJPEM)
- Journal of Engineering Tribology (JET)
- Proceedings of the Institution of Mechanical Engineers, Part B, Journal of Engineering Manufacture (JEM)
- Proceedings of the Institution of Mechanical Engineers, Part C, Journal of Mechanical Engineering Science
- Proceedings of the Institution of Mechanical Engineers, Part E, Journal of Process Mechanical Engineering (JPME)
- Journal of 3D Printing and Applications
- Engineering Optimization
- Procedia CIRP
- Annals of Operation Research
- Expert System with Applications (ESWA)
- EURASIP Journal on Image and Video Processing
- Measurement (MEAS)
- Precision Engineering (PRE)
- Arabian Journal for Science and Engineering (AJSE)
- SME Journal of Manufacturing Processes (JMP)
- Journal of Computational Science (JOCS)
- Journal of Cleaner Production
- Royal Society Proceedings A Mathematical

SCIENTIFIC AND DIGITAL INDICES AND NETWORKS

Bibliometric indices

Scientific impact of publications

- 50 documents Scopus & WOS
  - 25 Q1 SJR
  - 6 Q2 SJR
  - 3 Q3 SJR
  - 1 Book chapter
  - 6 Scopus Conferences
  - 4 WOS Conferences
- Scopus
  - 49 documents
  - 1100 citations by 1000 documents
  - H index 17
  - https://www.scopus.com/authid/detail.uri?authorId=7004924409
- WOS
  - 38 documents
  - 867 citations by 734 documents
  - H index 14
  - 60th percentile
  - https://www.webofscience.com/wos/author/record/E-9599-2012
- Scholar
  - 1700+ citations
  - H index 20, 13 since 2018
  - i10-index 26, 20 since 2018
  - https://scholar.google.it/citations?user=zsKAjqsAAAAJ

VQR

Italian program for the Research Quality Assessment

- VQR 2011-14
  - the 2 assessed products scored 0.7
  - (possible values 0, 0.4, 0.7 and 1)
- VQR 2004-10

- the 3 assessed products received the score of 1
- (maximum possible)

IRIS UniPI

- institutional database of the University of Pisa
- full list of papers (scientific publications):
arpi.unipi.it/browse?type=author&authority=rp00691

Scopus

- profile - list of indexed papers (scientific publications):
www.scopus.com/authid/detail.uri?authorId=7004924409

WOS

Web of Science, Clarivate; formerly: Thomson Reuters, Publons

- Web of Science
- ResearcherID: E-9599-2012
- ResearcherID: N-1302-2019
- profile - list of indexed papers (scientific publications):
www.webofscience.com/wos/author/record/21017
www.webofscience.com/wos/author/record/E-9599-2012
www.webofscience.com/wos/author/record/N-1302-2019

Google Scholar citations

- profile - list of indexed papers (scientific publications):
scholar.google.it/citations?user=zsKAjqsAAAAJ

Pisa University *Scores*

Grading of professors for the assignment of basic funding (about 1000€/grade)

- 2022 = 2 of 4
- 2021 = 1 of 4
- 2020 = 1 of 4
- 2019 = 1 of 4
- 2018 = 1 of 4
- 2017 = 1 of 4
- 2016 = 3 of 4
- 2015 = 4 of 4
- 2014 = 3 of 4
- 2013 = 3 of 4
- 2012 = 6 of 8
- 2011 = 6 of 8
- 2010 = 3 of 4

OrcID

- profile:
orcid.org/0000-0002-1803-5717

ResearchGate

- 102 publications
- H index 17
- 1200 citations
- 12 projects
- 321 followers
- 49 recommendations
- 17k reads
- profile:
researchgate.net/profile/Michele_Lanzetta

Mendeley

- profile:
mendeley.com/profiles/michele-lanzetta

UniPI Eprints

Open access repository of the University of Pisa

- list of 55 full-text downloadable papers

eprints.adm.unipi.it/view/creators/Lanzetta=3AMichele=3A=3A.html

LinkedIn

- personal profile:

linkedin.com/in/lanzetta [2k+ followers]

- Industrial and Management Engineering Alumni:

linkedin.com/groups/3988871/ [administrator - 360+ members]

- Mechanical Engineering Alumni:

linkedin.com/groups/7456310/ [owner - 130+ members - since 2014]

- CIRP The International Academy for Production Engineering:

linkedin.com/groups/80778/ [owner - 1.2k+ members - since 2008]

- Aitem The Italian Academy for Production Engineering:

linkedin.com/groups/80096/ [owner - 65+ members - since 2008]

- Italian Additive Manufacturing group:

linkedin.com/groups/8139412/ [owner - 400+ members - since 2014]

YouTube

- Tecnologia Meccanica @ UniPI:

youtube.com/channel/UCMOdP5P7Q4IbYDZ7x2Bow1g
360+ subscribers, 35+ edited videos

- CAFRE:

youtube.com/channel/UC5qpsOdX0wyOrp0c68Zgy_w
100+ subscribers, 30+ edited videos

Blogs and web archives

- teaching and research

news.lanzetta.unipi.it/ 77k+ visits, 45+ edited posts since 2011

- Additive Manufacturing

additivemanufacturing.work/ 220k+ visits, 80+ edited posts, since 2014

- interdepartmental center CAFRE

www-cafre.unipi.it 50k+ visits, 120+ edited posts, since 2017

- teaching blog

https://esempio-di-blog.blogspot.com 3.2k+ visits, 12 edited posts, 2015

- departmental

newsdici.unipi.it/ 160k+ visits, 160+ edited posts, 2012-2021

- thesis grants

premipertesi.blogspot.com 7k, 30+ posts, 2013-2017

- administrator of the official mailing list with job and internship offers for the whole School of Engineering

jobs@ing.unipi.it 2k members, 150+ job offers since 2017

UNIVERSITY EDUCATION MANAGEMENT

Member of the Councils of Engineering Programs

regular attendance in deliberative sessions of the respective Councils

- Bachelor Degree in Energy Engineering since 2014
- Aggregated Bachelor and Master Degrees in Management/Industrial Engineering since 2004
- Aggregated Bachelor and Master Degrees in Mechanical Engineering since 2000
- Master Degree in Automation Engineering 2004 - 2011

since Sep. 2020

Proposal and Institution of the Teaching Innovation Award

Promoted and awarded by CAFRE to Professors from the Università di Pisa

- Topic: 1000 x for Millennials. Methodologies and tools (online) for those born in the new millennium
- Award: € 1.000
- Second edition 2021: 4 participants in the prize and 5 in the Helmeto congress
- First edition 2020: 12 participants

- cafre.unipi.it/premio

Gen. 2020 - Ago. 2021

ITS Tender Project

Individual competences for the sea economy

- Role: Coordinator for the University of Pisa
- Partners: Per-corso training agency, coordinator, Formetica training agency, ITS Foundation for Sustainable Mobility, ISYL Italian Super Yacht Life, F.lli Rossi Srl, University of Pisa
- Duration: 18 months + extension
- Two programs: Nautical Designer and Nautical Project Manager
- per-corso.it/post/tender-nautica-nuovi-corsi

since Jul. 2019

2nd level Master

in Valorization of Diverse Abilities and Inclusive Education

- Role: Proposer and Director
- Duration: one year, 60 credits, 50+ teachers
- Fourth edition: 2022-23, subscriptions open
- Third edition 2021-22, 21 enrolled, 2 requests from Brazil, Belgium
- Second edition 2020-21, 26 enrolled, 5 requests from Switzerland, Albania, Romania, Brazil, Ecuador despite the language of the Master being Italian
- First edition 2019-20, 25 enrolled
- Commission President for all final dissertation sessions
- master.cafre.unipi.it

since Jun. 2019

LIVE! Project

Interdisciplinary Laboratory for (non)/Electric Flying/Vehicles

- Role: Proposer and Coordinator
- Agreement between the School of Engineering of the University of Pisa and
  - IIS Da Vinci Fascetti of Pisa
  - Institute Guido Marcelli of Foiano AR
  - ITI Guglielmo Marconi of Pontedera PI
  - ITIS Galileo Galilei of Livorno
- 50 Students and 10 active Teachers, impact on hundreds of Students attending the respective courses involved
- Funding for the SEAS program of the School of Engineering: € 11,500
- live.cafre.unipi.it

Nov. 2016 - Oct. 2019

Vice President of Industrial/Management Engineering

Aggregated Council of the Bachelor and Master programs

- Coordinator of the Alumni initiative
- Reference for the website and social www.gestionale.unipi.it
- Member of the Didactic and Review Committees
- Representative in the Timetable Committee of the School of Engineering
- most attended course at the School of Engineering of the University of Pisa (300+ freshmen in 2018)

Mar. - Jun. 2019 and Oct. 2021

Future Engineers at the Fair

Participation of 200+ students from the University of Pisa at the MecSpe and SPS Mechanics Fairs in Parma with transport

- Role: Proposer and Coordinator
- Program: Special Projects for Teaching from the University of Pisa 2019
- Funding: €3,600
- Financial support confirmed for 2020 used in 2021 due to a health emergency
- www-cafre.unipi.it/2019/03/ingegnerandi-in-fiera.html

2013

IFTS OHSO project Tuscany Region

Training of professional technician figures for the design of industrial products

- Role: Coordinator for the University of Pisa
- Partners: Toscana Formazione, coordinator, Pontech Agency, Marconi Pontedera Higher Technical Institute, University of Pisa
- Program: Occupational Health and Safety Officer - Technician for the development of the

company safety plan, planning of adjustment and maintenance programs, training and information on company safety

2006 - 2020

PhD posters

Proposal and implementation of the poster presentation of PhDs in Industrial Engineering in the Aula Magna and online

- Role: proposer and manager
- annually
- online archive

poster.dici.unipi.it

COORDINATION OF COMPANY TRAINING

2021

SW4AM course for the Aitem Academy

About Additive Manufacturing softwares

- Role: Proposer and Coordinator
- 4 online modules + laboratory
- Piano triennale di corsi annuali
- Program: Training *for* Final users of the AM technology *by* SW technology Providers

May - Sep. 2018

National Academy for Additive Manufacturing

additive.dici.unipi.it

- Role: Proposer and Coordinator
- Implementation of the Training project, establishment of the Guarantors Committee and list of Experts
- Organization of two courses of 72 hours + 72 hours respectively for the training of top managers and technical managers Nuovo Pignone BHGE, Florence
- with the participation of 30 national educators/experts from the Aitem Additive Manufacturing group coordinated by the undersigned (more details in the specific section)
- Funding: €15k from Fondimpresa
- In collaboration with the Department of Civil and Industrial Engineering of the University of Pisa
- Accreditation by the National Order of Engineers

since 2018

Scientific Committee SPS Italy Exhibition

Italian Messe Frankfurt, brings together the automation managers of the main Italian companies and universities

- Role: University and Research Representative for the University of Pisa
- The undersigned has curated at various annual technology transfer events
  - scientific organization and moderation of conferences, round tables and thematic sessions
  - commission for regulation and awarding prizes for industrial innovation
- www.spsitalia.it/it/comitato-scientifico

2018

Training GKN Driveline SpA

Automotive multinational in halfshaft manufacturing. Seat: FIRENZE

- Role: Scientific Coordinator
- Funding: €24k
- Duration: 6 months, 1 fellow
- Program: training of personnel involved in the development of artificial vision stations developed in collaboration with the undersigned

2017

Training GKN Driveline SpA

Automotive multinational in halfshaft manufacturing. Seat: FIRENZE

- Role: Scientific Coordinator
- Funding: €8,400
- Duration: 3 months, 2 fellows and 2 collaborators
- Program: Autodesk CAD Inventor training of design personnel in the transition from another system

since 2016

Job meeting ANIPLA

Italian National Association for Automation

- Role: Contact person for the University of Pisa
- Organization at the University of Pisa of biennial meetings for undergraduates and graduates of Tuscan universities
- Participation of speakers from leading international companies
  - 2021: ERsistemi Srl, Mitsubishi Electric Italia, Schmersal Italia Srl
  - 2018: B&R Automazione Industriale Srl, Danfoss Italia Srl, Heidenhain Italia Srl, Schmersal Italia Srl, Schneider Electric SpA
  - 2016: Pilz Italia Srl, Wittenstein SpA, Beckhoff Automation Srl, Rittal SpA, Schneider Electric SpA, Tetra Pak Packaging Solutions SpA

OTHER DIRECTIONS AND COORDINATIONS

since Jun. 2021

Career Service Commission of the School of Engineering

Made up of the undersigned and 3 Professors (for each of the 3 Departments of the Engineering Area)

- coordination with the University Career Service
- Proponent and Head of the mailing list with archive as an official tool for job offers and internships of the Department (since 2017) and of the School of Engineering (since 2021)
- jobs@ing.unipi.it 2.4k members, 150+ posts since 2017

Feb. 2020 - Oct. 2022

Commission for external relations and cultural activities of the School of Engineering

Made up of the undersigned and 3 Professors (for each of the 3 Departments of the Engineering Area) and 2 students

- organization of numerous cultural, educational and professional events for lifelong learning (more details in the specific section)
- promotion of an agreement with the Order of Engineers of Pisa for lifelong learning
- promotion of agreements with various technical high schools for student collaborative activities and tutoring
- developed and in charge of the website perfezionamento.cafre.unipi.it

since Sep. 2019

ISO/TC 261 Additive Manufacturing member

ISO CEN UNI UNINFO Technical Committee for Additive Manufacturing standards

- ISO International Organization for Standardization
- CEN European Committee for Standardization
- UNI Italian National Standardization body
- UNINFO Information Technologies and applications. Standardization body federated with UNI

since Jan. 2019

ALAP Board member

Alumni Association of the University of Pisa http://alap-pisa.net/

- Role: Board member, delegated to lifelong learning
- Reconfirmed in 2022
- Council with 13 elected members
- one of the two members in service from the University of Pisa
- ALAP member since 2019

since Nov. 2018

Director of CAFRE

Cafre, University Center for Training and Education Research, transformed into Interdepartmental Center for Lifelong Learning, Training and Education Research in 2013

- Elected Director for the 2018-2021 term
- Re-elected for the 2021-2024 term
- Deputy director from 2016 to 2018
- Elected member of the Board of Directors 2009-2018 and member of the Board 2009-2018
- 20 out of 20 Departments of the University, 150+ members Professors
- Participation from the university during the three-year management period has increased as follows (from 2019):

- +3 Departments
- +50 Teachers

- Active project budget (national/European): k€100/year
- Author and and in charge of the www.cafre.unipi.it and www-cafre.unipi.it websites
- Proposal and Institution of a participatory annual CAFRE University of Pisa Congress on Methodologies and Tools (online) for Innovation in Teaching, editions subtitle:
  - Millennials (online) 2021 registrations open
  - Millennials 2020 12 presentations
  - Z Generation 2019 10 presentations
  - Z Generation 2016 13 presentations
- Organization of Courses
  - The markets of the future: China, India, South East Asia, Africa 2021
  - Cross-Cultural Skills & Management 2021
  - Management of Work Related Violence 2021
  - Diversity Management 2019
  - Intercultural skills 2019
  - Tools for preventing and combating gender-based violence in the workplace 2019
  - Cross Cultural Management and Linguistic Empowerment 2019
  - Innovating in a global world 2018
  - The challenges of management and leadership. Theoretical and practical aspects in the transport sector 2018
  - Engineers abroad. Opportunities and challenges 2017
- Organization of conferences, seminars and study days (some examples)
  - Valorization of Different Abilities 2022 2021 2020 2019
  - Soft skills: managers compared 2021
  - Women and Power 2021
  - International day on Violence against women 2020
  - Italian emigrants abroad. Planning, routes, adaptation and return to the homeland 2020 Chamber of Deputies
  - Discrimination and gender-based violence in the workplace 2020
  - The Silk Road Yesterday and Today 2019
  - Include or exclude? 2019 Lucca Pisa
  - Conflict management and organizational well-being 2019
  - For an art of listening (yearly) from 2010 to 2021
  - Gender violence. Analysis tools for intervention and prevention 2019
  - Youth Valorisation and Empowerment Strategies 2019 European Parliament Brussels
  - LINK Laboratory: University Industry 2018
  - The alphabet of leadership 2018 Chamber of Deputies
  - Vulnerability and resilience 2018
  - Industry 4.0 and Education System 2018
  - Speeches on Innovation 2018 Stanford University
  - Relations between Italy and Morocco. Living and undertaking economic processes between the two shores of the Mediterranean 2018 Livorno
  - Intercultural lexicon 2014 Chamber of Deputies
- Other initiatives
  - Rugby 4.0 2019
  - Mathematics high school 2019
- Conference moderation and invited talks (some examples)
  - Bharath Shiksha Rathna Awards 2021
  - Inspire Award ACE International 2021
  - Talentika Summit. Looking for the Smart City 2029 2019
  - What an undertaking… young people. Entrepreneurship Day 2019
  - The Bantis: 100 years of business 2018
  - Unions and mixed marriages. Possible coexistence 2015 Chamber of Deputies

since 2018 **INSTM member**

Italian National Interuniversity Center for Material Science and Technology

since 2018 **CISUP member**

Center for Scientific Shared Facilities, University of Pisa

- center council member

since 2017 **Cofounder of CIRAM**

Italian interuniversity center for Additive Manufacturing involving 8 seats: the universities of Pisa, Brescia, Firenze, Salerno, Palermo, Modena e Reggio Emilia, Napoli Federico II and the Polytechnic of Torino

- one of the two delegates of the Rector of the University of Pisa in the Scientific Board
- developed and in charge of the ciram.net website

since Nov. 2016

Member of the Council of the School of Engineering

Elected among the Department Board members

- re-elected Nov. 2019

2016 - 2020

SIA member

University Information system

- DICI representative in the Technical and Scientific Committee of the Engineering node 6
- merged in 2017 in the Departmental Information System SID
- evolved in 2019 into University Information system SIA
- developed and in charge of the first departmental website https://sites.google.com/dici.unipi.it/new/home and of the 2 successive renovations, with 150 professors, 15 degree programs, from 5 former departments

since Oct. 2016

Member of the Departmental External Relations Commission

Elected among Associate Professors

- re-elected Nov. 2019

2007-2008 and 2014-2015

Expert member of the Commission for State Exams

Qualification to the profession of Engineer

- subsequently alternate and in office, for the two annual sessions in the two-year periods indicated

Nov. 2013 - Jan. 2021

Department Board member

Elected among Associate Professors

- re-elected Nov. 2016 and Nov. 2019

since 2013

CISIM member

Interdepartmental Center for Material Science and Engineering, University of Pisa

- center council member
- developed the cisim.unipi.it website

since 2009

Vice President of Culturae

Association that funded and manages yearly the Italian National Festival of Cultures, aiming to deal interculture by an interdisciplinary approach festivaldelleculture.it

- organization of cultural and scientific events
- involvement of schools and universities
- the third 2012 edition of the Festival of Cultures received the adhesion of the President of the Italian Republic
- the second 2011 edition of the Festival of Cultures received the Medal of the President of the Italian Republic
- cooperation with CAFRE since 2010

2009 - 2013

Member of the International Relations Commission

Engineering area

- representative of the Department of Mechanical, Nuclear and Production Engineering until deactivation

since 2007

Member of the "Enrico Piaggio" Center

Interdepartmental Research Center of the University of Pisa, transformed into University Center in 2013

- center council member

ACTIVE CLASSES

since 2016

Manufacturing Processes

Bachelor Degree in Industrial/Management Engineering 3rd year

- 9 ECTS
- fundamental
- 200+ students
- with project
- written and oral exam

since 2014

Manufacturing Processes

Bachelor Degree in Energy Engineering 1st year

- 6 ECTS
- fundamental
- 100+ students
- with project
- written and oral exam

since 2011

Optimization of Manufacturing Processes

Master Degree in Mechanical Engineering 2nd year

- 6 ECTS
- optional
- 10+ students
- with optional project
- oral exam

PAST CLASSES

2017 - 2020

Manufacturing Processes II

Master Degree in Industrial/Management Engineering 1st year

- borrowed from the above
- 6 ECTS
- optional
- 20+ students
- with project
- exam with PC and oral

2013 - 2015

Course PAS/TFA

To qualify as teacher on technological subjects in secondary and high school

- 3 ECTS
- fundamental
- 150+ students
- with project
- oral exam

2011 - 2015

Statistical Methods for Systems Control

Bachelor Degree in Industrial/Management Engineering, 3rd year

- 6 ECTS
- optional
- 30+ students
- intermediate tests
- exam with PC and oral

2007 - 2011

Manufacturing Processes II

Master Degree in Mechanical Engineering 2nd year

- 12 ECTS
- fundamental for the curriculum: “production technologies for the mechanical industry”
- 20+ students
- with project
- oral exam

2004 - 2011

Automation of Production Processes

Master Degree in Automation Engineering 2nd year

- 5 ECTS
- fundamental for two of three curriculum: “Systems Automation and Management” and “Machine Automation”
- 20+ students
- with project
- oral exam

2004 - 2011

Statistical Methods for Systems Control

Master Degree in Industrial/Management Engineering 2nd year

- 5 ECTS
- optional
- 10+ students
- esame scritto

2000 - 2004

Industrial Quality Management

Master Degree (five years) in Mechanical Engineering

- annual
- curriculum specific
- 20+ students
- quiz and written and oral exams

SUPERVISION OF THESES

since 2008

PhD Program

Supervision and teaching activity

- invited lecture at the PhD program in Industrial Engineering at the University of di Stockholm KTH (05 Feb. 2021)
- visiting PhD student Amar Hajj-Ahmad from Stanford University Mar. 2022
- supervision of Francesco Lupi (since 2021) on Artificial Vision
- supervision of Armin Gharibi (since 2020) on Additive Manufacturing
- supervision of Luca Del Moro (since 2020) on Electrochemical Machining at the University of Glasgow, visiting the University of Pisa Nov. 2021 to Oct. 2022
- supervision of Santo Gentile (2010) on Artificial Vision
- committee member of the final dissertation at
  - University of Firenze 2018
  - University of Udine 2018
  - University of Pisa 2018 (concorso per assegno di ricerca)
  - University of Pisa 2015
  - Polytechnic of Torino 2014
  - University of Pisa 2011
  - University of Genova 2010
  - University of Pisa 2008

since 2004

In 1st, 2nd and 3rd level university programs

Detailed in table

- as main supervisor of thesis or as traineeship tutor as specified
- the thesis of the student Chiocchetti Alessandro was awarded Premio Innovagiovani 2011 and 1.000€ by the Italian magazines Lamiera, Macchine Utensili, Stampi e Trattamenti e Finiture published by Tecniche Nuove, Aitem partner, with evaluation committee formed with the technical directors of the four magazines and delivered at the MECSPE exhibition of Specialized Mechanics in Parma
- the thesis of the student Donati Emanuele was awarded the Aitem thesis award 2000
- industrial or university traineeship tutor for additional 20+ undergraduate students in different engineering programs
- Detailed Theses in Table

- 20 in the graduate program in Mechanical Engineering
- 7 in the graduate program in Industrial and Management Engineering
- 20 of the 2nd level Master program with traineeship
- 14 departmental/experimental
- 5 abroad
- 19 in international or national class companies

since 2004 **In first, second and third level university programs**

Links on the students' names point to the Theses archive of the University of Pisa

- as first thesis supervisor and/or thesis internship tutor as specified
- in addition to the role of tutor for internships (curricular)

#	Anno	Programma	Studente	Argomento	Presso	Note
1	2004	Master degree VO in Mechanical Engineering	Bedini, Alessandro	Analisi di problematiche di gestione della qualità per aziende manifatturiere	Università di Delft, PAESI BASSI	Erasmus fellowship
2	2004	Master degree VO in Mechanical Engineering	Gentile, Santo	Impiego di sistemi di visione artificiale per il controllo del processo di confettatura nella produzione di confetti	Università di Pisa	Experimental
3	2005	PhD in Mechanical Engineering	Gentile, Santo	Applicazioni industriali dei sistemi di visione artificiale	Università di Pisa	
4	2005	Master degree VO in Mechanical Engineering	Lombardi, Giacinto	Studio preliminare di metodi optoelettronici per l'analisi delle superfici in materiale lapideo	Università di Pisa	Bibliografic
5	2007	Master degree VO in Mechanical Engineering	Scionti, Claudio	Omologazione di dispositivi di antipattinaggio per rotabili ferroviari (prove su carrozza isolata)	Trenitalia, Firenze	Experimental
6	2008	Master degree VO in Mechanical Engineering	Alessi, Francesco	Applicazione di un modulo PKM su transfer tradizionale	Università di Pisa	Experimental
7	2008	Master degree VO in Mechanical Engineering	Scionti, Camillo	Confronto fra metodi ottici e meccanici per la caratterizzazione di superfici lucidate in materiale lapideo	Università di Pisa	Experimental
8	2009	Master degree VO in Mechanical Engineering	Flosi, Valerio	D-Shape: ottimizzazione della stampa inkjet di polveri ceramiche per componenti di grandi dimensioni	Dini Engineering Srl, Cascine di Buti PI	Experimental
9	2009	Master degree Specialistica in Mechanical Engineering	Pani, Matteo	Riesame del ciclo di produzione di particolari per impiego aeronautico ai fini dell'utilizzo di moderne tecnologie di produzione	Costruzioni Novicrom Srl, Pontedera PI	Experimental
10	2009	Master degree Specialistica in Automation Engineering	Rocchi, Matteo	Ispezione di tubofiale tramite visione artificiale. Controllo della qualità di cartucce di insulina tramite la macchina ispezionatrice ad alta velocità AVIM – CAS 4	Eli Lilly SpA, Sesto Fiorentino FI	Internship, hired before graduation
11	2010	Master degree Specialistica in Automation Engineering	Chiocchetti, Alessandro	Sviluppo e caratterizzazione di un sistema hw/sw semi automatico per la prototipazione rapida tramite inkjet di componenti metallici	Università di Pisa	Experimental
12	2010	Master degree Specialistica in Mechanical Engineering	Urso, Daniele	Studio del ciclo e della linea di montaggio per l'industrializzazione del motore Piaggio M648	Piaggio SpA, Pontedera PI	Internship, hired on a permanent basis before graduation
13	2011	Master degree Specialistica in	Creatini, Jacopo	Discrete-Event Simulation in engine assembly lines at Ford	Università di Cranfield, REGNO UNITO	Winner of Internship for Thesis abroad

		Automation Engineering				
14	2011	Master degree VO in Mechanical Engineering	Del Moro, Luca	Design and development of an Electrochemical milling System (ECMIL)	Università di Glasgow, REGNO UNITO	Winner of Internship for Thesis abroad
15	2011	Master degree Specialistica in Automation Engineering	Gastasini, Enrico	Sviluppo e Realizzazione di un'Attrezzatura Sperimentale per la Caratterizzazione di un Sensore d'Immagine	Alkeria Srl, Navacchio PI	Internship, hired by the hosting company
16	2011	Master degree in Industrial and Management Engineering	Muolo, Andrea	Potenzialità dei sistemi CAD per la flessibilità dei sistemi produttivi	Università di Pisa	Bibliografic
17	2011	Master degree Specialistica in Automation Engineering	Capecci, Niccolò	Sviluppo E Confronto Di Strumenti Di Prova Per Sensori D'Immagine	Alkeria Srl, Navacchio PI	Internship, hired by the hosting company
18	2012	Master degree Specialistica in Automation Engineering	Bisti, Filippo	Laser Beam Characterization by Imaging for Product Inspection	Università di Erlangen Norimberga, GERMANIA	With Erasmus fellowship
19	2012	Master degree Specialistica in Automation Engineering	Squassoni, Federico	Studio preliminare di un sistema di visione artificiale per il controllo di qualita' nell'industria conciaria	Università di Pisa	Experimental
20	2012	Master degree Specialistica in Automation Engineering	Soldani, Sauro	Schedulazione di una linea flessibile di tipo Open Job-Shop : il caso Fendi	Fendi Srl Louis Vuitton group, Firenze	Internship, hired by the hosting company
21	2013	Master degree Specialistica in Mechanical Engineering	Pandolfi, Andrea	Confronto di modelli di scheduling: il caso Husqvarna-Motorcycles.	Husqvarna-Motorcycles Srl BMW group, Varese	Internship, the plant was sold to another group at the end of the internship
22	2014	Master degree Specialistica in Automation Engineering	Bruni, Filippo	Gestione delle modifiche per la riduzione dei tempi di attraversamento	Università di Pisa	Experimental
23	2014	Master degree Specialistica in Mechanical Engineering	Santini, Giulio	Tecnologia abrasive waterjet per il taglio di materiali lapidei	Henraux SpA, Querceta LU	Internship, hired by the hosting company
24	2015	Master degree Specialistica in Automation Engineering	Chiodi, Stefano	Sviluppo di un nuovo metodo adesivo basato sulla forza di Stefan	Massachusetts Institute of Technology, MA USA	Winner of internship for thesis abroad and contribution from the MIT MISTI program
25	2015	Master degree Specialistica in Mechanical Engineering	Ferrara, Giacomo	Applicazioni dell'additive manufacturing ai materiali biomedici	Università di Pisa	Bibliograficaì
26	2015	Master degree Magistrale in Industrial and Management Engineering	Conti, Jlenia	Implementazione e Sviluppo di uno strumento di Negoziazione del prezzo del pellame: Il caso Celine Production	Céline Production Srl, Louis Vuitton group, Firenze	Internship, hired by the hosting company
27	2016	Master degree Magistrale in Industrial and Management Engineering	Bronte, Alessandro	Modelli e algoritmi di routing non lineare per l'integrazione planning-scheduling in produzione	Università di Pisa	Experimental

28	2018	Master degree Magistrale in Ingegneria Robotica e dell'Automazione	Vila Calle, Yanet Celma	Computer Vision system for Automatic Inspection of Automotive parts in Assembly Lines	GKN Driveline SpA, Firenze	With fellowship
29	2018	Master degree Magistrale in Ingegneria Robotica e dell'Automazione	Salvatore, Giovanni	Sviluppo di un sistema HW/SW di visione artificiale per controllo qualita	GKN Driveline SpA, Firenze	With fellowship
30	2018	Master degree Magistrale in Industrial and Management Engineering	Chiera, Mariastella	Applicazione delle tecniche lean e di problem solving: caso studio Paolino Bacci S.r.l	Paolino Bacci Srl, Cascina PI	Internship
31	2019	Master degree Magistrale in Mechanical Engineering	Morante, Francesco	Analisi dei difetti nel processo di Direct Metal Laser Sintering tramite monitoraggio in situ	Nuovo Pignone Srl, Firenze	Internship, hired by the hosting company
32	2019	Master degree Magistrale in Industrial and Management Engineering	Biancalana, Michele	Hardware and software solutions to develop a flexible vision system for halfshaft inspection	GKN Driveline SpA, Firenze	With fellowship
33	2020	Master degree Magistrale in Industrial and Management Engineering	Innocenti, Francesco	Sviluppo di un sistema esperto ed estrazione automatica di feature per la riprogrammazione di sistemi di visione artificiale	GKN Driveline SpA, Firenze	Internship
34	2020	Master degree Magistrale in Industrial and Management Engineering	Lupi, Francesco	CAD surface modeling from freeform, branched and incomplete point clouds	University of Hawaii at Manoa, USA	Winner of Internship for Thesis abroad
35	2020	Master degree Magistrale in Mechanical Engineering	Chelli, Riccardo	Sviluppo di una stazione di piegatura lamiere tramite robot collaborativi guidati da sistema di visione	Nexman, Vecchiano PI	Internship, hired by the hosting company
36	2020	Master degree Magistrale in Industrial and Management Engineering	Giaconi, Nicola	Gestione delle non conformità nel processo di cladding	Nuovo Pignone Srl, Massa	Hired by the hosting company
37	da 2020	PhD in Smart Industry	Gharibi, Armin	Investigation and improvement of surface integrity characteristics of parts produced from super alloys by selective laser melting method	Università di Pisa	
38	da 2020	PhD in Mechanical Engineering	Del Moro, Luca	Simulation of Electrochemical Machining for Smart Process Implementation	Università di Glasgow, REGNO UNITO	
39	2020	2nd level Master in Valorization of Different Abilities and Inclusive Education	Sfingi, Marta	Inclusione scolastica degli alunni con particolare riferimento agli alunni con BES	Liceo statale G. Carducci, Pisa	Internship
40	2020	2nd level Master in Valorization of Different Abilities and Inclusive Education	Spina, Gaetana	Strategie di inclusione degli alunni BES con svantaggio socio-economico e culturale	Istituto Comprensivo statale Mattarella Bonagia, Palermo	Internship

41	2020	2nd level Master in Valorization of Different Abilities and Inclusive Education	Meucci, Arianna	L'inclusione scolastica tra teoria e prassi. Un'indagine territoriale nella provincia di Pisa	Liceo statale E. Montale, Pontedera PI	Internship
42	2020	2nd level Master in Valorization of Different Abilities and Inclusive Education	Profeti, Catia	Inserimento e inclusione: "di necessità, virtù"	Liceo statale E. Montale, Pontedera PI	Internship
43	2020	2nd level Master in Valorization of Different Abilities and Inclusive Education	Cuturi, Sara	Accoglienza e inclusione nei musei - il ruolo del personale museale a contatto con il pubblico disabile.	Kinzica Soc. Coop.	Internship
44	2020	2nd level Master in Valorization of Different Abilities and Inclusive Education	Greco, Caterina	La gestione delle diversità e l'inclusione nelle organizzazioni. Prospettive e criticità	CAFRE Università di Pisa	Internship
45	2020	2nd level Master in Valorization of Different Abilities and Inclusive Education	Razzauti, Claudia	Centrale di Acquisto ed appalti inclusivi: uno studio sulla salute mentale	ESTAR Ente di supporto tecnico-amministrativo regionale Toscana, Pisa	Internship
46	2020	2nd level Master in Valorization of Different Abilities and Inclusive Education	Grazzini, Silvia	Centrale di Acquisto ed appalti inclusivi: uno studio sulla salute mentale	ESTAR Ente di supporto tecnico-amministrativo regionale Toscana, Pisa	Internship
47	2020	2nd level Master in Valorization of Different Abilities and Inclusive Education	Bertanza, Giovanni	Sperimentazioni e riflessioni sull'utilizzo di metodologie per la valorizzazione della persona attraverso percorsi terapeutici/riabilitativi centrati sul Teatro, nell'ambito della Salute Mentale territoriale	ASL Toscana NordOvest, Pisa	Internship
48	2020	2nd level Master in Valorization of Different Abilities and Inclusive Education	Dini, Angela	Il Museo di Storia Naturale dell'Università di Pisa Un Museo per tutti. Esperienze di inclusione e valorizzazione	Centro di Ateneo Museo di Storia Naturale Università di Pisa	Internship
49	2020	2nd level Master in Valorization of Different Abilities and Inclusive Education	Bianchi, Gloria	L'inclusione scolastica e la valorizzazione degli alunni BES e DSA nella scuola primaria. Strategie organizzative per la classe prima	Istituto Comprensivo Lucca 6 Scuola primaria L. Donatelli San Vito LU	Internship
50	2020	2nd level Master in Valorization of Different Abilities and Inclusive Education	Lancia, Germana	Conoscere-Includere. Le tecnologie assistive per navigare liberaMENTE	Università di Roma La Sapienza	Internship
51	2020	2nd level Master in Valorization of Different Abilities and Inclusive Education	Masi, Matteo	Gender diversity in un'officina metalmeccanica	Nuovo Pignone Srl, Firenze	Internship
52	2020	2nd level Master in Valorization of Different Abilities and Inclusive Education	Civitelli, Alessia	Diversity Management nel reparto di degenza	AOUP Azienda Ospedaliero Universitaria Pisana, Pisa	Internship

53	2020	2nd level Master in Valorization of Different Abilities and Inclusive Education	Bacciardi, Sandra	Diversity Management nel reparto di degenza	AOUP Azienda Ospedaliero Universitaria Pisana, Pisa	Internship
54	2021	Master degree Magistrale in Mechanical Engineering	Vivaldi, Claudia	Conformità delle attività di manutenzione preventiva degli asset ai requisiti di legge presso gli stabilimenti Nuovo Pignone di Firenze e Massa: analisi in ambito HSE e provvedimenti adottati.	Nuovo Pignone Srl, Massa	Internship, hired by the hosting company
55	2021	2nd level Master in Valorization of Different Abilities and Inclusive Education	Ofria, Tina	L'attività fisica per contrastare i sintomi dell'ADHD		Internship
56	2021	2nd level Master in Valorization of Different Abilities and Inclusive Education	Lazzarini, Cinzia	I disturbi dello spettro autistico, oltre i falsi miti: un progetto per la scuola secondaria di secondo grado	Liceo Artistico e Musicale V. Cardarelli, La Spezia	Internship
57	2021	2nd level Master in Valorization of Different Abilities and Inclusive Education	Canalini, Michele	L'insegnamento linguistico a ragazzi extracomunitari con difficoltà eterogenee (sociali, economiche, ambientali): studio di un caso specifico nella scuola italiana	Centro FAST Università per Stranieri di Siena	Internship
58	2021	2nd level Master in Valorization of Different Abilities and Inclusive Education	Debbi, Noemi	L'importanza dell'osservazione sistematica per l'individuazione precoce delle diverse abilità in ambito scolastico	Istituto Comprensivo Settimo III - Scuola dell'infanzia Teresa Noce, Settimo Torinese TO	Internship
59	2021	2nd level Master in Valorization of Different Abilities and Inclusive Education	Ginocchi, Andrea	Strategie di inclusione presso il Museo Gigi Guadagnucci di Massa	Associazione culturale L'Immaginario e Comune di Massa	Internship
60	2021	2nd level Master in Valorization of Different Abilities and Inclusive Education	Bindi, Antonio	Approcci alternativi per il trattamento dei disturbi dello spettro autistico	CAFRE Università di Pisa	Internship
61	2021	2nd level Master in Valorization of Different Abilities and Inclusive Education	Arrighini, Tecla	Giocare per crescere: un videogioco per la disabilità	CAFRE Università di Pisa	Internship
62	2021	2nd level Master in Valorization of Different Abilities and Inclusive Education	Mele, Mariangela	La biblioterapia in classe	Istituto Comprensivo Don Milani, Viareggio LU	Internship

OTHER ACTIVITIES

since 2004

Research evaluation

Organization and type of assignment

- Monitoring expert VQR 2015-2019
- Piedmont Region for the evaluation of the 2010 - 2012 technological poles
- Steering Committee for Research Evaluation CIVR 2004-2008
- European Union monitoring expert FP7

since 2002

Member of commissions

University seats and roles

- Torino 2018 for 2 assistant professors RTDA
- Padova 2018 assistant professor RTDA
- Pisa 2016 confirmation associate
- Bologna 2005 assistant professor
- Cassino 2002 assistant professor

1994 – 1995

Reserve officer in the Italian Air Force (AF) Engineer Corps

Role: Engineer, Specialization: Aeronautical Constructions

- one of the 8 selected yearly
- servicing the 11th Aircraft Maintenance Department, 41st Base in Sigonella (CATANIA, ITALY), servicing the anti-submariner Breguet Atlantic
- Elective office representative military bodies:
- Sigonella base (Cobar)
- Southern AF Region (Coir)
- AF Central and Interforce (Cocer). AF Cocer secretary
- Finale marks: Excellent

AWARDS AND ACHIEVEMENTS

2021

Competitive procedure for Full Professor

art. 18 l. 240/2010

- Eligible. Final evaluation: very good
- Commission members: Prof. Antoniomaria Di Ilio, presidente, Prof. Luigi Maria Galantucci, Prof. Maurizio Galetto, Prof. Claudio Giardini, Prof. Loredana Santo
- Code: PO2021-3-19

2014 - 2024

ASN National scientific qualification

Qualified as full professor for the Italian sector 09/B1 Manufacturing Processes and Systems

- call 2016, fifth term, validity from 27/07/2018 to 27/07/2028
- Commission Members: Prof. Luigi Carrino*, Prof. Luca Iuliano, Prof. Elisabetta Ceretti*, Prof. Tullio Tolio*, Prof. Luigi M. Galantucci
- call 2013, validity from 24/11/2014 to 24/11/2024
- Commission members: Prof. Marco Santochi, Prof. Fabrizio Micari*, Prof. Filippo Gabrielli, Prof. Roberto Teti, Prof. Shreyes Melkote

(*) former Aitem President

2004

Award "Teaching innovation" AITEM 2004

Italian Academy for Production Engineering

- 1st edition
- € 1.000
- Topic: laboratory class with interdisciplinary electronic, information and mechanical technologies, applied to prototyping and demonstration, with group work and cooperation among groups based on a the TWiki platform

PERSONAL EDUCATION AND TRAINING

Nov. 1992 – Oct. 1996

PhD in Industrial Automation and Robotics

Institute of Mechanical Technology, University of PISA

- VIII cycle
- with scholarship
- one year suspension for compulsory military service
- visit to the Stanford University with scholarship from CNR (more details in the specific section)
- Thesis: Industrial Applications of Artificial Vision Systems

Nov. 1992 – Sep. 1993

Master in Management of Innovation

Scuola Superiore di Studi Universitari e di Perfezionamento S. Anna di PISA

- II edition
- with scholarship offered by the master sponsor companies to cover half of the tuition fee of £ 10 million

Sep. 1992

Course on Cooperation in Developing Countries

Institute for University Cooperation ICU, ROME

- access by competition
- appointment proposal: teaching at the University of Maintenance Engineering, Canton, CHINA

Jul. – Sep. 1992

Professional Training Course for Electronic Technicians for Digital Signal Processing (DSP)

MASSA

May 1992

Qualified at the Corps of Engineers

University and Province of PISA

Apr. 1992

Master in Aeronautical Engineering

University of Pisa

- Major in Production
- Funder and leader of the independent list of student representatives
- Thesis abroad within the Erasmus Program (more details in the specific section)

PERSONAL SKILLS

Mother tongue: Italian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
French	C2	C2	C2	C2	B2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
Common European Framework of Reference for Languages

Italian Driving license: A, B

MORE INFORMATION

Marital status: Married with six children born between 1999 and 2011

Date: Pisa Italy, January 31st 2024

Signature Michele Lanzetta

LIST OF PAPERS

Click on an item for more details and to download the full-text for open access or were allowed, from ARPI, the official archive of the University of Pisa

1. 2022 FEM modelling of the incipient chip formation for the generation of micro features. In XV AITEM Conference vol. Unico, Gharibi, Armin; Hajj-Ahmad, Amar; Rossi, Andrea; Cutkosky, Mark; Lanzetta, Michele, Conference date:Gennaio 2022
2. 2022 Reconstruction of tubular structures from 2.5D point clouds: A mesophotic gorgonian coral case study. DOI: 10.21914/anziamj.v63.17151. In Proceedings Engineering Mathematics and Applications Conference vol. 63, Lupi, Francesco; Rowley, Sonia J.; Chyba, Monique; Lanzetta, Michele, Conference date:2-3 Dicembre 2021
3. 2022 The Digitalization of Engineering Curricula: Defining the Categories that Preserve Constructive Alignment. DOI: 10.1007/978-3-030-96060-5_24. In Communications in Computer and Information Science - ISBN: 978-3-030-96059-9. In COMMUNICATIONS IN COMPUTER AND INFORMATION SCIENCE vol. 1542, Boffa, E.; Lupi, F.; Lanzetta, M.; Maffei, A.
4. 2022 Toward a sustainable educational engineer archetype through Industry 4.0. DOI: 10.1016/j.compind.2021.103543. In COMPUTERS IN INDUSTRY vol. 134, Lupi, F.; Mabkhot, M. M.; Finzgar, M.; Minetola, P.; Stadnicka, D.; Maffei, A.; Litwin, P.; Boffa, E ...
5. 2022 On the Design of Constructively Aligned Educational Unit. DOI: 10.3390/educsci12070438. In EDUCATION SCIENCES vol. 12 (7), Maffei, A.; Boffa, E.; Lupi, F.; Lanzetta, M.
6. 2022 A Novel Approach for Cooperative Scientific Literature Search and Socialization. DOI: 10.1007/978-3-030-96060-5_3. In Communications in Computer and Information Science - ISBN: 978-3-030-96059-9. In COMMUNICATIONS IN COMPUTER AND INFORMATION SCIENCE vol. 1542, Lupi, F.; Lanzetta, M.
7. 2021 A simple laser beam characterization apparatus based on imaging. DOI: 10.22201/icat.24486736e.2021.19.2.1579. In JOURNAL OF APPLIED RESEARCH AND TECHNOLOGY vol. 19 (2), Bisti, F.; Alexeev, I.; Lanzetta, M.; Schmidt, M.
8. 2021 Fem and analytical modeling of the incipient chip formation for the generation of micro-features. DOI: 10.3390/ma14143789. In MATERIALS vol. 14 (14), Lanzetta, M.; Gharibi, A.; Scardaoni, M. P.; Vivaldi, C.
9. 2021 Mapping industry 4.0 enabling technologies into united nations sustainability development goals. DOI: 10.3390/su13052560. In SUSTAINABILITY vol. 13 (5), Mabkhot, M. M.; Ferreira, P.; Maffei, A.; Podrzaj, P.; Madziel, M.; Antonelli, D.; Lanzetta, M.; Bar ...
10. 2021 Lean maturity assessment in eto scenario. DOI: 10.3390/app11093833. In APPLIED SCIENCES vol. 11 (9), Chiera, M.; Lupi, F.; Rossi, A.; Lanzetta, M.
11. 2019 Influence of cross-sectional geometry on mixing in a T-shaped micro-junction. DOI: 10.3303/CET1974160. In CHEMICAL ENGINEERING TRANSACTIONS vol. 74, Mariotti, A.; Lanzetta, M.; Dini, G.; Rossi, A.; Brunazzi, E.; Mauri, R.; Galletti, C.
12. 2018 An experimental analysis of laser machining for dental implants. DOI: 10.1016/j.procir.2017.12.226. In CIRP ICME '17 - 11th CIRP Conference on Intelligent Computation in Manufacturing Engineering. In PROCEDIA CIRP vol. 67, DALLE MURA, Michela; Dini, Gino; Lanzetta, Michele; Rossi, Andrea, Conference date:19-21 Luglio 2017
13. 2017 The Aitem role for the Additive Manufacturing development in Industry 4.0. In Atti del XIII Convegno Aitem 2017 vol. Unico, Lanzetta, Michele, Conference date:11-13 Settembre 2017
14. 2016 Modelling activity times by hybrid synthetic method. DOI: 10.1080/09537287.2016.1159351. In PRODUCTION PLANNING & CONTROL vol. 27 (11), Lanzetta, Michele; Rossi, Andrea; Puppato, Alessio
15. 2015 Scaling up Three Dimensional Printing. In Atti del XII Convegno dell'Associazione Italiana di Tecnologia Meccanica vol. Unico, Enrico, Dini; Valerio, Flosi; Rossi, Andrea; Failli, Franco; Lanzetta, Michele, Conference date:7-9 Settembre 2015
16. 2014 Native metaheuristics for non-permutation flowshop scheduling. DOI: 10.1007/s10845-012-0724-8. In JOURNAL OF INTELLIGENT MANUFACTURING vol. 25 (6), Rossi, Andrea; Lanzetta, Michele
17. 2014 Minimum centroid neighborhood for minimum zone sphericity. DOI: 10.1016/j.precisioneng.2013.11.004. In PRECISION ENGINEERING vol. 38 (2), Rossi, Andrea; Stefano, Chiodi; Lanzetta, Michele
18. 2014 Optical hazing in polished porcelain tiles: measuring, thus defining, controlling and defeating a defect. In XIII Congreso Mundial de la Calidad del Azulejo y del Pavimento Ceramico vol. Unico, Bowman, Richard; Lanzetta, Michele, Conference date:17-18 Febbraio 2014
19. 2013 Optimum dataset size and search space for minimum zone roundness evaluation by genetic algorithm. DOI: 10.2478/msr-2013-0018. In MEASUREMENT SCIENCE REVIEW vol. 13 (3), Meo, Alessandro; Profumo, Luca; Rossi, Andrea; Lanzetta, Michele
20. 2013 Gripping by controllable wet adhesion using a magnetorheological fluid. DOI: 10.1016/j.cirp.2013.03.002. In CIRP ANNALS vol. 62 (1), Lanzetta, Michele; Iagnemma, Karl
21. 2013 Heuristics for scheduling a two-stage hybrid flow shop with parallel batching machines: application at a hospital sterilisation plant. DOI: 10.1080/00207543.2012.737942. In INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH vol. 51 (8), Rossi, Andrea; Puppato, Alessio; Lanzetta, Michele

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25. 2013 Progettazione della carenatura di una monoposto Formula SAE. In STAMPI vol. XXIII (4, Maggio 2013), Sciurti, L.; Lanzetta, Michele
26. 2013 Pianificazione integrata nella pelletteria. In AUTOMAZIONE INTEGRATA vol. XVI (5), Soldani, S.; Rossi, Andrea; Lanzetta, Michele
27. 2013 Realizzazione degli stampi della carenatura di una monoposto Formula SAE. In STAMPI vol. XXIII (5, Giugno 2013), Sciurti, L.; Lanzetta, Michele
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29. 2013 Cast iron cutting by diamond wire. In DIAMANTE vol. 74 (Settembre 2013), Tantussi, Giovanni; Lanzetta, Michele; Romoli, Valter
30. 2013 Roundness: A closed form upper bound for the centroid to minimum zone center distance by worst-case analysis. DOI: 10.1016/j.measurement.2013.03.025. In MEASUREMENT vol. 46 (7), Rossi, Andrea; Lanzetta, Michele
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35. 2012 Simulazione CAD di operazioni di montaggio. In IL PROGETTISTA INDUSTRIALE vol. XXXII (1), Urso, D.; Bartoli, D.; Landini, D.; Lanzetta, Michele
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47. 2011 Miglioramento del ciclo termico/di lavorazione su alberi motore integrali. In TRATTAMENTI & FINITURE vol. LI (6), Francesconi, A.; Lanzetta, Michele
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49. 2011 Fast genetic algorithm for roundness evaluation by the minimum zone tolerance (MZT) method. DOI: 10.1016/j.measurement.2011.03.031. In MEASUREMENT vol. 44 (7), Rossi, Andrea; Antonetti, M; Barloscio, M; Lanzetta, Michele

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