

# Europass Curriculum Vitae



## Personal information

Surname(s) / First name(s)

Address(es)

Email(s)

Nationality(-ies)

Date of birth

**Pariani, Giorgio**

via Puricelli Guerra 279, 20099, Sesto San Giovanni (MI) Italy

giorgio.pariani@inaf.it, giorgio.pariani@polimi.it

Italian

March 19<sup>th</sup>, 1984

## Work experience

Dates

01/12/2018 so far

Main activities

Researcher (III level technician CCNL)

Name of employer

INAF Osservatorio Astronomico di Brera

Dates

01/06/2017 – 30/11/2018

Main activities

Researcher with a fixed-term contract as III level technician CCNL in the framework of the project "Preliminary study of the E-ELT adaptive unit M4"

Name of employer

INAF Osservatorio Astronomico di Brera

Dates

15/05/2012 – 15/05/2017

Main activities

Post-doctoral research fellow titled "Progettazione e utilizzo di Computer Generated Hologram per test interferometrici"

Name of employer

INAF Osservatorio Astronomico di Brera

Dates

01/02/2012 – 30/04/2012

Activity

Research fellow titled "Progettazione e realizzazione di Computer Generated Holograms in materiale fotocromatico"

Name of employer

INAF Osservatorio Astronomico di Brera

## Education and training

Dates

December 16, 2020

Activity

Licence "Abilitazione al lavoro in quota e D.P.I. di terza categoria"

Organization

Safe Service Srl

Dates

February 16, 2022

Activity

Licence "Operatore addetto alla conduzione di Carroponte e GRU a Bandiera"

Organization

KSD Partners Srls

Dates

March 7–9, 2017

Activity

Cryo-Vacuum training course

Organization

Observatoire Astronomique de l'Université de Genève

Dates

October 27–29, 2015

Activity

Coordinate Measuring Machine training

Organization

Coord3 Industries

Dates	February 29, 2012
Title of qualification awarded	Ph.D. cum laude in Materials Engineering
Thesis title	Light triggered optical elements: photochromism gains new opportunities
Organization	Politecnico di Milano
Dates	01/01/2009 – 31/12/2011
Activity	Ph.D. scholarship
Name of employer	Politecnico di Milano
Dates	01/10/2010 – 31/03/2011
Activity	Visiting student at the Institut für Technische Optik - ITO
Organization	University of Stuttgart, Germany
Dates	September 13–17, 2010
Activity	5° corso nazionale di introduzione alla fotochimica
Organization	Università di Bologna
Dates	March 16–19, 2010
Activity	Workshop on Computer Generated Holography (CGH) and Diffractive Optical Element (DOE)
Organization	College of Optical Sciences - University of Arizona - Tucson (Arizona)
Dates	2009
Title of qualification awarded	State exam in Ingegnere Industriale - Sezione A
Dates	17/12/2008
Title of qualification awarded	Master Degree in Materials Engineering
Thesis title	Materiali fotocromici per la realizzazione di Computer Generated Holograms
Organization	Politecnico di Milano
Classification	110L/110
Dates	27/09/2006
Title of qualification awarded	Bachelor degree in Materials Engineering
Thesis title	Attrito e usura di lame in materiale composito per gli impianti di produzione della carta
Organization	Politecnico di Milano
Classification	110L/110
Dates	1999–2003
Organization	Liceo scientifico Leonardo da Vinci, Gallarate
Classification	100/100

## Language

Mother tongue(s)

*Self-assessment  
European level<sup>(\*)</sup>*

**English**

**Italian**

Understanding		Speaking		Writing	
Listening	Reading	Spoken interaction	Spoken production		
B2 Independent user	C1 Proficient user	B2 Independent user	C1 Proficient user	C1	Proficient user

<sup>(\*)</sup> Common European Framework of Reference (CEF) level

## Publications

He is author of 143 scientific publications, with an H1 of 16 and 1100 citations (Scopus 2023). He published 34 papers on peer-reviewed journals, 6 of them as first author, and 109 papers on conference proceedings. The complete list of publications is reported in the Annex B. He is author of 46 technical documents, listed in the same Annex.

## Congress notes

He presented notes at national and international conferences in the fields of material science and astronomical technology. He directly contributed with 17 oral presentations (included one invited talk), and was the presenter of more than 30 posters (of which 9 as first author). He is co-author of tens of contributions among oral presentations and posters. The complete list of the personal oral contributions is reported in Annex B.

## Computer skills and competences

Operating Systems:	Windows; Linux;
Programming languages:	C, Matlab, DMIS;
Word processing applications:	Microsoft Word, LaTeX, Power Point;
Spreadsheets:	Microsoft Excel;
CAD systems:	Autodesk Inventor, Zemax OpticStudio.
Metrology:	CAM2, ArcoCAD.

## Project coordination

He was PI of the project MUSICA (Multiband Ultrawide SpectroImager for Cryosphere Analysis), bando ASI "Studi per nuovi strumenti di osservazione della terra", DC-UOT-2018-024. Project partners Politecnico di Milano, CNR, Università degli Studi di Milano Bicocca e Antares S.c.a.r.l., 550kE total value.

He was PI of the project SUBARU – Adaptive Secondary Mirror, within the AdOptica consortium (Microgate and ADS International). Project partner INAF – Osservatorio Astrofisico di Arcetri, 55kE total income.

He is responsible of WP5603 (Optomechanical prototyping: metrology and monitoring) within the project PNRR – STILES (Strengthening the Italian leadership in ELT and SKA).

## Project participation/work package responsibility

He participated to 29 projects, in 12 of them he held technical responsibility of activities or work-packages. All the details are reported in Annex B.

## Teaching activities

2010 – 2021

Laboratory teaching activities within the course of Chemical Engineering 'Metodi per la caratterizzazione microstrutturale dei materiali' (Prof. Andrea Bianco) of Politecnico di Milano and teaching assistant of the course of Materials Engineering and Nanotechnology 'Tecnologie dei materiali nanostrutturati' (Prof. Chiara Bertarelli) of Politecnico di Milano; details are reported in Annex B.

2009-2020

Tutor or co-tutor 7 students among bachelor thesis, master thesis, and intership; details are reported in Annex B.

- 2018 Tutor of a student in the framework of the activity "Alternanza scuola-lavoro" of the Osservatorio Astronomico di Brera.
- 2017 Tutor in the first OPTICON Ph.D. school on Astronomical Instrumentation with the theme 'Observing the transient sky', which took place at the Niels Bohr Institute in Copenhagen from July 3 to 12, 2017.

## Awards

- 2012 Best poster award in the XXIV IUPAC photochemistry conference, Coimbra (Portugal), titled *Modeling photochromism of AB(1 $\phi$ )-systems at the solid state: from quantum yield determination to the understanding of device performances*

## Other

Reviewer for Langmuir (ACS), Molecules (MDPI), Optics Express (OSA), Optics and Lasers in Engineering (Elsevier), Optik (Elsevier), and Computers and Graphics (Elsevier).

Member of the local organizing committee and chair of the three national and international conferences; member of the organizing committee of one Ph.D. school; details in annex B.

Telescope operator in the framework of the outreach activities of the Osservatorio Astronomico di Brera.

Participation in the outreach activities of the Osservatorio Astronomico di Brera (e.g., "Notte bianca a Merate").

Editor of the "Laboratorio Nazionale di Ottica Adattiva" (ADONI) website.

All the details and lists are reported in Annex B.

Autorizzo il trattamento dei dati ai sensi del D. Lgs. 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali" e alla pubblicazione degli stessi secondo le norme vigenti in materia di trasparenza degli atti amministrativi

Le informazioni contenute nel presente "curriculum vitae et studiorum" sono rese sotto la personale responsabilità del sottoscritto, ai sensi degli articoli 46 e 47 del Decreto del Presidente della Repubblica 28 dicembre 2000, numero 445, e successive modifiche ed integrazioni, consapevole della responsabilità penale prevista dall'articolo 76 del medesimo Decreto per le ipotesi di falsità in atti e dichiarazioni mendaci