

## PERSONAL INFORMATION

Angela Piegari



## WORK EXPERIENCE

2015 – 2021

**Senior Scientist**

1994 – 2015

**Director of the “Optical Coatings Group” - ENEA**

- R&D on thin film interference coatings, optical filters for space applications, optical components and materials for laser optics.
- Organization of laboratory activities in the field of thin film materials and optical instrumentation
- Project Manager for Government Research Programs on new materials and their applications.
- Cooperation with international partners in the framework of both European Projects and Bilateral Agreements with non European countries.
- Consulting work for industries and research institutes on design and applications of optical coatings and related technologies.

**Business or sector** R&D on new materials and enabling technologies

1981 – 1993

**Staff Scientist at ENEA**

- Design of thin film optical coatings for various applications: high-reflectance coatings at different wavelengths, single-wavelength and wide-band antireflection coatings, narrow band transmission filters, coatings for architectural glazing, laser mirrors both in the ultraviolet and infrared spectrum, graded reflectance mirrors.
- Fabrication of thin film coatings with different techniques: thermal evaporation, electron beam evaporation, radiofrequency sputtering.
- Characterization of thin film optical materials by both spectrophotometric and interferometric techniques and investigation on laser induced damage threshold of optical coatings.
- Testing of the performance of optical components in condition of use.

## EDUCATION AND TRAINING

1977

**Italian Laurea in Physics (summa cum laude)**Replace with EQF  
(or other) level if  
relevant

- Physics of materials
- Technologies for production of optical and electronic devices

PERSONAL SKILL

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	C1	B2	C1	C1
French	A2	C1	A1	A1	A1
Replace with name of language certificate. Enter level if known.					

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user  
Common European Framework of Reference for Languages

Communication skills

Good communication skills gained through experience as:

- Chair of the Work Group "Optical Components and Systems" of the European Technology Platform "Photonics 21" and member of the Executive Board
- Coordinator of the Italian Technology Alliance on Solid State Lighting
- Lecturer in courses for young researchers and at international schools

Organisational / managerial skills

- Head of the Optical Coatings Laboratory
- Past-president of the Italian Society for Optics and Photonics (SIOF) and Board member
- In charge of collaboration agreements with several international Societies as the Optical Society of America (OSA), the Chinese Optical Society (COS), the International Society for Optics and Photonics (SPIE)
- Director of the Winter College on Optics 2015 at the International Centre for Theoretical Physics (ICTP) and of the biannual School of Space Optics 2017-2019-2021 at the European Space Agency (ESA)
- General Chair of the conference FOTONICA2016
- Organizing Committees of national and international meetings

Job-related skills

- Evaluator of project proposals at National and European level
- Member of board for the assignment of grants
- Member of commissions for the recruitment of researchers
- Peer reviewer for international journals
- Topical Editor of the scientific journal "Applied Optics" of the Optical Society of America

Computer skills

- Good command of Microsoft Office™ tools and scientific specialized software

Driving licence

Category B

## ADDITIONAL INFORMATION

- Publications**
  - More than 200 papers published in national and international journals
  - Co-author of three books (1995, 2001, 2004) on optics
  - Editor of the book "Optical thin films and coatings" (Elsevier, Cambridge, 2013 and 2018).
  - Contributor to the Optics Encyclopedia (Wiley&Sons, 2015-16)
  - Owner of two patents
  
- Presentations**
  - More than 50 contributed and invited papers presented at international conferences.
  
- Projects**
  - Participation to more than twenty projects in the frame of National Research Programs, European Framework programs and Bilateral Agreements with foreign countries
  
- Conferences**
  - Organization of Workshops on Optical Thin Films and Components
  - Member of Program Committees of periodical conferences (OSA, SPIE, ESA, etc.)
  - Chair of meetings on Thin Film Optical Components
  
- Seminars**
  - Tutorials and seminars at international schools, research institutes and universities
  
- Memberships**
  - Fellow of the European Optical Society (EOS).
  - Member of the Optical Society of America (OSA).
  - Member of the International Society for Optics and Photonics (SPIE)
  - Member of Divisional Committees and Board of National and International Associations.
  - Member of the "Italian Society for Optics and Photonics", branch of the European Optical Society
  - Member of the European Technology Platform "Photonics21"