

**FORMATO EUROPEO  
PER IL CURRICULUM  
VITAE**



**INFORMAZIONI PERSONALI**

Nome **DE MARIA, LETIZIA**  
Indirizzo **VIA S.BOEZIO 2**  
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E-mail **Letizia.demaria@rse-web.it**  
Nazionalità **Italian**  
Data di nascita **21/11/1960**

**ESPERIENZA LAVORATIVA**

- 01/2000 -
- 01/2000 – 07/1985

Senior Researcher at RSE Research on Energetic System S.p.A, Transmission and Distribution Technologies Department.  
Researcher at CISE S.p.A, Milan, Department of Coherent Sensors

- Nome e indirizzo del datore di lavoro

RSE Ricerca sul Sistema Energetico S.p.A, via Rubattino 54, Milan, Italy

- Principali mansioni e responsabilità

Senior Researcher

**ISTRUZIONE E FORMAZIONE**

- 04-1985

M.Sc. cum laude in physics University of Milan, Italy, Physic Department, Thesis: "Development and application of Near Infrared based device for paintings diagnostics".

- Principali materie / abilità professionali oggetto dello studio

Quantum electronics, laser application, spectroscopic techniques, Optical devices.  
Skills and expertise: Optical Devices, Sensors Optics and Photonics, Optoelectronics, Fiber Optics, Piezo spectroscopy, Photon counting Technique, Optical Sensing, Surface Plasmon Wave Sensor Development, Instrumentation, transformer diagnostic.

**CAPACITÀ E COMPETENZE**

**PERSONALI**

**Acquisite nel corso della vita e della carriera ma non necessariamente riconosciute da certificati e diplomi ufficiali**

She started her activities, at CISE S.p.A, on research and development of coherent optical fibre sensors and spectroscopic techniques for industrial applications. In the framework of EU Project for improving gas turbine performances, she has been involved in development of optical spectroscopic device for early warning of detachment of Thermal Barrier coatings. At RSE Research on Energetic System S.p.A, her main research focuses on innovative optical sensors for monitoring electrical equipment of the Transmission and Distribution network. She has been involved on research and development of a photon-counting based device for partial Discharge detection in Gas Insulated Substation and of an optical trigger device for Medium Voltage Substation. Her recent research activities focused on innovative systems for diagnosis of transformers. Since 2015 she is member of the National Electrotechnical Committee (CT10) on "Fluids for Electrotechnical Applications". Since 2017 she is Member of the Presidential Council, Italian Society for Optics and Photonics (SIOF).

MADRELINGUA

ITALIAN

**ALTRE LINGUA**

- Capacità di lettura
- Capacità di scrittura
- Capacità di espressione orale

ENGLISH

good

good

good

PATENTE O PATENTI

European

**ULTERIORI INFORMAZIONI**

She is author of several National and International Papers and 3 patents and winner of two International Best Paper Awards (ASME TURBO EXPO 2011, ICOLIM 2017)