



Antonio Salerno - Curriculum vitae
(July 2015)



I. University studies and professional qualifications

2014 European Patent Attorney (European Qualifying Exam)

Consultant for several companies in the field of Industrial Propriety.
Consultant for the Technology Transfer Office of the Politecnico di Milano
Praktika Intern at the European Patent Office in Munich (2008) and The Hague (2015)

2006 Italian Patent Attorney (Italian Qualifying Exam)

Organizer and director of the Industrial Propriety Course of the Politecnico di Milano

1996 Dottorato di Ricerca in Energetica (Ph.D. in Energetics) – Politecnico di Milano, Department of Energy

The Ph.D. thesis was mainly devoted to Infrared Thermography applied to non-destructive testing by means on non stationary heat conduction and was carried on in co-operation with ENEL, the Italian national agency for the electrical power.

Periods abroad and most important courses attended during the Ph.D.:

- Von Karman Institute for Fluid Dynamics, Brussels, Belgium: *Introduction to Measurement Techniques*
- Research period (November-December 1994) at the Physics Department of the University of Helsinki

1989 Laurea in Ingegneria Meccanica (M. Sc. in Mechanical Engineering) – University of Genova

Points: 110/110, magna cum laude.

In recognition of the good results, the thesis was awarded the "Dignity of Publication" by the board of the examiners.

The thesis, originated by a specific request of Ansaldo (an important Italian company working in the field of power generation), consisted of a dynamic finite elements analysis of a big vertical induction motor.

1983 General Certificate of Education - Liceo Classico F. Delpino of Chiavari (Genoa, Italy)

Points: 58/60.

II. Teaching and research activity

Jan. 2000 – Department of Energy of Politecnico di Milano
present time

From December 2010 Associate Professor

- Teaching activity: courses of Applied Thermodynamics and Heat Transfer.
- Research activity: thermal non-destructive testing and thermoelastic stress analysis mainly in cooperation with industries like Agusta Westland, Glassfaser, Tecnidro.

June 1998 - Joint Research Centre of the European Commission, Ispra (VA), Italy
Jan. 2000

Research activity in two different Institutes of the JRC at Ispra (VA), Italy.

- Institute for Health and Consumer Protection: research in the field of the measurement of thermophysical properties of materials.
- Space Applications Institute: research aimed at the detection of anti-personnel mine using IR thermographic techniques.

Jan. 1996 - Institut für Kunststoffprüfung und Kunststoffkunde (IKP) - Universität Stuttgart, Germany
May 1998

Research activity in the field of Lock-in Thermography and Ultrasonic Lock-in Thermography, for non-destructive testing and material characterisation.

1990-1993 IBM-Italia, Milano, Italy

System Engineer on AIX (UNIX) workstations risc/6000 used for scientific applications.
The activity at IBM ended with the beginning of the Ph. D.

III. Languages

Italian (mother tongue), English (fluent), German (good), French (good)