



UNIVERSITÀ DEGLI STUDI DELL'AQUILA

Prof. Stefano Sfarra

Curriculum scientifico

(Aggiornato il 2020/11/12)

I obtained the PhD title in Mechanical, Management and Energy Engineering at the University of L'Aquila (in black). To choose the proper course of study, I attended - after a selection for merit -, the XIX university orientation course at the *Scuola Normale Superiore di Pisa* (Italy) (1997) (18th World University Rankings ? 2021).

Following the achieving of the PhD, I was a Research Fellow at UNIVAQ until 2017, before becoming a Researcher in October of the same year. Previously, I was a scholarship holder both in 2006 and 2011 at UNIVAQ.

I carried out research and/or teaching periods abroad at prestigious Institutions, such as: Université Laval (Québec city, Canada), Institut National du Patrimoine (Paris, France), Arts et Métiers ParisTech, I2M - Institut de Mécanique et d'Ingénierie - (Bordeaux, France), Escola superior de Conservacion e Restauracion de bens culturais de Galicia (Pontevedra, Spain), Tomsk Polytechnic University (Tomsk, Russia), Universidad de Sevilla - Facultad de Bellas Artes - Degree en Conservación Restauración de Bienes Culturales (Seville, Spain), National Tsing Hua University - Department of Chemical Engineering (Taiwan, ROC), Universidad de Cantabria - Departamento de Tecnología Electrónica and Ing. Sistemas y Automática (Santander, Spain), Universidad Politecnica de Valencia - Facultad de Bellas Artes - Degree en Conservación Restauración de Bienes Culturales (Valencia, Spain).

From December 2016 I'm an Invited-Scientific Researcher at Tomsk Polytechnic University (Tomsk, Russia). I was a member of several Scientific Committees in International Congresses. I also am an Editor of *Mathematical Problems in Engineering* (Hindawi), *Infrastructures* (MDPI), *Sensors* (MDPI) and, *Quantitative InfraRed Thermography (QIRT J)* (Taylor & Francis).

I'm deeply involved in non-destructive evaluation and characterization of materials, especially using optical and infrared vision non-destructive testing techniques, numerical simulations centred on heat transfer phenomena (by Comsol Multiphysics), development of *ad hoc* scripts in Matlab environment. In these research areas, I authored or co-authored more than 200 articles in Journals and International Conferences. I also have written five chapters in Books.

I was both chairman and member of Organizing Committees of various International Conferences. I'm currently acting as Reviewer of 40 scientific journals and I organized Special Issues as Editor for: *Journal of Physics, Applied Sciences* (MDPI), *Advances in OptoElectronics, Sensors* (MDPI) and *Advances in Mechanical Engineering* (AIME).

I'm a collaborator and local contact person in International research projects. I was a member of the National Institute of Nuclear Physics (INFN), Italy, as Associated Technologist within group 5, and I currently am a member of the *Associazione Italiana di Fisica Tecnica (AIFT)* and the *Associazione Italiana Prove Non-distruttive - Monitoraggio Diagnostica (AIPnD)*

. I received awards - mainly focused on scientific recognition - from UNIVAQ, National Tsing Hua University (Taiwan) (351 ? 400th World University Rankings ? 2021), and Universidad de Cantabria (Spain).

I was a supervisor / co-supervisor of 12 Degree Theses, as well as a member of Evaluation Committees of Ms and PhD Theses.

From 2013, I'm an Adjunct Professor at the Academy of Fine Arts of L'Aquila (Italy); in the latter case, I'm particularly involved in the five-year single-cycle School of Restoration. In October 2020 I became Associate Professor at UNIVAQ after obtaining the National Scientific Qualification (ASN) in the competitive sector 09/C2 (Technical Physics and Nuclear Engineering).

I also am a member of the Academic Board of the PhD in Industrial and Information Engineering and Economics (UNIVAQ).

Some time ago I took the third-level of qualification as technician in Thermography, with specialization in the Civil Engineering, Architecture and Cultural Heritage sector.

Finally, I've a consolidated experience in thermographic diagnostics of composite materials made by natural and non-natural fibers (not only fabricated for the Civil Engineering field).

On Scopus currently are present 136 research products, while the H-index is equal to 23.