Europass
Curriculum Vitae

Personal information

First name(s) / Surname(s) | **Alice Nicole Casling**

Work experience

Dates	January 2023 – March 2023
Occupation or position held	Freelancer in the Field of Materials and Nanotechnology Engineering
Main activities and responsibilities	The project focused on the investigation of morphological characterizations and adhesion tests of graphene based nanostructured coatings. Rigorous adhesion tests were performed to evaluate the strength and durability of the nanostructured coatings. Advanced characterization techniques were utilized to obtain precise measurements and detailed observations of the morphological characteristics such as Atomic Force Microscopy and Scanning Electron Microscopy.
Name and address of employer	Maria Sabrina Sarto – mariasabrina.sarto@uniroma1.it
Type of business or sector	La Sapienza University of Rome

Education and training

Dates	June 2022 - ongoing
Title of qualification awarded	PhD – Electrical, Materials and Nanotechnology Engineering
Principal subjects/occupational skills covered	The project aims to advance aerospace materials, particularly focusing on innovative radar-absorbing materials. We're synthesizing and characterizing graphene-based composites with enhanced conductivity and absorption properties for effective radar absorption, contributing to radar-absorbing technology in aerospace.
Name and type of organisation providing education and training	La Sapienza University of Rome and Thales Alenia Space Italy
Dates	January 2020 – March 2022
Title of qualification awarded	Master of Engineering - Nanotechnology Engineering
Principal subjects/occupational skills covered	The master's program focused on mastering micro- and nano-technologies for advancing various applications. Through extensive study of nanoscale fabrication, characterization techniques, materials, and surface engineering, the individual gained skills and knowledge crucial for navigating these fields and contributing to advancements.
Name and type of organisation providing education and training	La Sapienza University of Rome
Dates	October 2015 – December 2019
Title of qualification awarded	Bachelor of Engineering - Clinical Engineering
Principal subjects/occupational skills covered	In-depth knowledge of mathematics and other basic sciences and adequate skills on methodological and operational aspects to describe and interpret engineering problems related to industrial and clinical engineering.
Name and type of organisation providing education and training	La Sapienza University of Rome
Publication	Giordani, A., Scione, E., Casling, A. N., Mongini, G. M., & Sarto, M. S. (2023, September). Feasibility Study of a Graphene-Loaded Composite for Improved EMI Performance of Satellite Cavities. In 2023 International Symposium on Electromagnetic Compatibility–EMC Europe (pp. 1-5). IEEE

Personal skills and competences

Mother tongue(s) | **Italian**

Other language(s)

Self-assessment	**Understanding**		**Speaking**		**Writing**
European level	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C1	C1	C2
French	A2	A2	A2	A2	A2

Social skills and competences

Effective communication, active listening, empathy, teamwork, conflict resolution, and adaptability. These skills enable me to collaborate effectively with colleagues, build strong relationships, and navigate diverse social situations with ease.

Organisational skills and competences

Time management, prioritization, planning, and attention to detail. I excel in coordinating tasks, meeting deadlines, and managing resources efficiently to achieve desired outcomes.

Technical skills and competences

Raman spectroscopy, Surface Enhanced Raman Spectroscopy (SERS), Chemical Synthesis of Colloidal Suspensions, 3D printing, Laser Cutting, VNA measurements. All these skills and competences were acquired at Sapienza University of Rome, spanning across the Physics, Chemistry and Electrical Engineering Departments.

Computer skills and competences

Microsoft Office (Excel, Word, PowerPoint, OneNote); OverLeaf LaTeX; LabSpec6 (Raman acquisition software); Origin; C++ programming language; MatLab; ImageJ; CST Studio Suite (electromagnetic simulation software).

Driving licence

B

Date:10/04/2024