Guilherme Almeida

Eng, PhD, MAS



Chemical Engineer & Scientist specialized in Chemistry, Minerals, Advanced Materials, Energy, Nanotechnologies MBA-like Training in Management, Economics & Innovation

Work Experience

EPFL - Physics Dept. & Ligentec SA	Lausanne, Switzerland
Staff Scientist & Sr. Process Engineer	Apr 2023 - Jan 2025

Advanced Materials & Chips - Process R&D - Coordinating process team affairs

TU Delft - Chemical Eng. Dept.

The Netherlands

Postdoc Scientist, Optoelectronic Materials Division

Oct 2019 - Nov 2022

Leading a multi-partner 1 MEur R&D project sponsored by industry leaders Chemistry and physics of advanced materials. Supervised 7 researchers.

Italian Institute of Technology

Genoa. Italy

Research Fellow, NanoChemistry Group

May 2014 - July 2019

Leading R&D projects on the chemistry and physics of advanced materials

Lawrence Berkeley National Lab Visiting Scientist, Molecular Foundry

United States of America Jun 2018 - Sep 2018

Center of Excellence in Microelectronics

Optoelectronics and Processes Research Fellow Lisbon, Portugal Nov 2011 - Aug 2013

Initial Training

Imperial College London Master thesis, Electrochemical Engineering	United Kingdom Feb 2010 - Sep 2010		
Institute of Chemical and Bio Tech. Jr. Research Fellow, Heterogeneous Systems	Lisbon, Portugal Jan 2009 - Dec 2009		
Nova University of Lisbon Student Project, Photo-Chemistry Group	Lisbon, Portugal Feb 2008 - Jun 2008		

Recent Extra-Curricular Activities

- Board Member and Treasurer of EPFL's Intermediate Body Association
- Organizer at Science Festival Pint of Science in Lausanne (2024)
- Member of EPFL's Business Consulting Society (2023)
- Reviewer for Scientific Journals (ACS & RSC)

Professional References

Dr. Liberato Manna

Italian Institute of Technology Head of the Nanochemistry Dpt. email: liberato.manna@iit.it

- PhD Advisor

Prof. Arjan Houtepen

TU Delft, Full Professor NCFun Group Leader email: a.j.houtepen@tudelft.nl

- Postdoc Supervisor

Education

MAS Management, Tech & Econo ETH Zurich, Switzerland Strategy, Finance, Leadership etc.	omics 2026
PhD Chemistry & Materials Scien IIT & University of Genoa, Italy Advisor: Prof. Dr. Liberato Manna Topic: Colloidal Nanocrystals	ce ²⁰¹⁸
MEng Chemical Engineering NOVA Uni. of Lisbon, Portugal Final year at Imperial College London Grade A (top 10%, ECTS scale)	2011
Baccalauréat Général French Lyceums of Warsaw and Lisbo Science Branch	2005 on

Certifications

Intelectual Property: Patents European Patent Office	2025
Business Concepts for Entrepreneurs Innosuisse, Switzerland	2024
Agile Project Management QRP International, Switzerland	2024
Management Essentials CEGOS, Switzerland	2023
Micro & Nano Fabrication EPFL @ edX	2023
Quantum Optics Online Series by Prof. A. Aspect, Nobel 2022	2020
Nano Science and Technologies Electronics Track, Grenoble France	2016
Photo-Chemistry University of Bologna, Italy	2016

Languages

French, English, Portuguese			
Italian & Spanish			

Selected Publications	Citations
In P Colloidal Quantum Dots for Visible and Infrared Photonics Nature Materials, 2023	70
Ligand Exchange for Stable Nanocrystals ACS Energy Letters, 2019	234
Resurfacing Halide Perovskite Nanocrystals Science , 2019	186
The role of Acid Base Equilibria in the Size, Shape and Phase Control Cesium Lead Bromide Nanocrystals, ACS Nano 2018	of 511