



# Alessandro Achilli

**Date of birth:** 29 Jan 1998

## ● ABOUT MYSELF

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Graduated in Physics at the University of Parma (Italy) with a thesis on synthesis and characterization of geopolymers via micro-Raman spectroscopy and X-ray diffraction (XRD).  
Graduated in Organ at the Conservatory of Parma.

## ● EDUCATION AND TRAINING

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SEP 2020 – MAR 2024 Parma, Italy

**MASTER DEGREE - PHYSICS** University of Parma

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- spectroscopic techniques (micro-Raman and IR)
- X-ray powder diffraction techniques
- interpretation of spectra and diffractograms
- use of software connected with the activity (LabSpec, DIFFRAC.EVA, Origin)
- basic understanding of ceramics and cement chemistry
- team working

**Website** [www.unipr.it](http://www.unipr.it) | **Field of study** Physics | **Final grade** 108/110 |

**Thesis** Synthesis and characterisation of geopolymers via micro-Raman spectroscopy and X-ray diffraction

SEP 2016 – MAR 2020 Parma, Italy

**BACHELOR DEGREE - PHYSICS** University of Parma

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**Website** [www.unipr.it](http://www.unipr.it) | **Field of study** Physics | **Final grade** 96/110 |

**Thesis** Multitechnical analysis of alteration products of organ pipes from the 16th and 17th centuries

OCT 2021 – OCT 2023 Parma, Italy

**MASTER DEGREE - ORGAN** Conservatory of Music "Arrigo Boito"

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**Website** [www.conservatorio.pr.it](http://www.conservatorio.pr.it) | **Field of study** Music and performing arts | **Final grade** 110/110

OCT 2018 – OCT 2021 Piacenza, Italy

**BACHELOR DEGREE - ORGAN** Conservatory of Music "Giuseppe Nicolini"

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**Website** [www.conservatorionicolini.com](http://www.conservatorionicolini.com) | **Final grade** 110/110 cum Laude

## ● WORK EXPERIENCE

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1 OCT 2024 – CURRENT Faenza, Italy

**RESEARCH FELLOW** NATIONAL RESEARCH COUNCIL

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I work on surface functionalization through the deposition of thin films (mainly via dip-coating) and consequent characterisation with the determination of contact angles, surface free energy, profilometric sessions, SEM and FT-IR analyses.

**Website** <https://www.issmc.cnr.it/>

## ● LANGUAGE SKILLS

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Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	B2	C1	B2	B2	C1
<b>FRENCH</b>	B1	B2	B1	B1	B1
<b>GERMAN</b>	A2	B1	A2	A2	A2

*Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user*

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Faenza (RA) , 14 Feb 2025