

LUCA D'ALESSANDRO

WORK EXPERIENCE

<i>Jul 2018 – present</i>	Phononic Vibes srl	Chief Executive Officer & Co-founder	Milano, IT
	Phononic Vibes develops and commercialize metamaterials for vibration and noise control, with a circular economy approach.		
<i>Feb 2019 – present</i>	Politecnico Milano	Contract Professor	Milano, IT
	Course:	Architectural Design of Complex Structures Lab Structures	
<i>Nov 2014 – March 2018</i>	Politecnico Milano	PhD in Structural Engineering	Milano, IT
	Project:	Meta-materials for vibration isolation	
	Awards:	ST Microelectronics, ESMC18 Best Paper Award	
	Team work:	Advisor of 5 master theses, collaborations with 3 PhDs	
	Publications&Patents:	8 conferences, 4 international journal papers, <u>3 patents</u>	
<i>Feb 2016 – June 2018</i>	Politecnico Milano	Teaching assistant	Milano, IT
	Course:	Structural design Mathematical Engineering Course	
<i>Sep 2015 – Feb 2016</i>	MIT	Visiting PhD at Microsystems Tech Lab	Cambridge, MA, US
	Project:	Topological optimization of phononic crystals	
	Award:	<u>MIT-Rocca Doctoral fellowship</u> [top 1% PhDs Politecnico Milano]	
<i>Apr 2015 – Jun 2015</i>	ST Microelectronics	Visiting Researcher	Milano, IT
	Project:	MEMS piezoelectric thin film applications	
<i>Jan 2015 – Feb 2015</i>	TechProject srl	External Collaborator	Milano, IT
	Project:	Seismic check of 3 buildings in Florence (40k m ²)	
	Team work:	Managing 2 colleagues	
<i>Sep 2014 – Sep 2015</i>	Piacentini Group	External Collaborator	Bologna, IT
	Project:	Tech operations optimization algorithm (+1600% prod)	
<i>Jun 2014 – Jul 2014</i>	Thyssenkrupp	Internship	Milano, IT
	Project:	Great deals procedures, elevators	
<i>Mar 2014 – Jun 2014</i>	Esedra srl	Internship	Milano, IT
	Project:	Design and check of steel bridges	

EDUCATION

<i>Oct 2016 – Dec 2016</i>	Il Sole24Ore BS	Financial modeling in Excel Master Part Time	Milano, IT
	Topics:	Forecasting and Capital Budgeting, Valuation, Restructuring	
<i>Mar 2016 – May 2016</i>	PoliHub	StartUp Program	Milano, IT
	Award:	Full scholarship to attend the master on Start Up	
<i>Sep 2015 – Feb 2016</i>	MIT	Non credit courses during fall and IAP	Cambridge, MA, US
	Courses:	Nuts and Bolts of New Venture, Social Entrepreneurship, Java	
<i>Oct 2012 – Jul 2014</i>	Politecnico Milano	MSc Civil Engineering, Structures	Milano, IT
	Grade:	110 out of 110 with high honors [top 1%]	
	Thesis:	Sea transportation and waves dynamic loads	
	In collaboration with:	<u>Fagioli spa</u> leader in heavy transportations	
<i>Sep 2009 – Jul 2012</i>	Politecnico Milano	BSc degree in Civil Engineering	Milano, IT
	Grade:	110 out of 110 with high honors [top 5%]	
	Grade:	100 out of 100	

LANGUAGES

English, French Full professional proficiency

COMPUTER SKILLS

Softwares& Coding: Comsol, Ansys, Abaqus, Straus7, SolidWorks, MATLAB, C, VBA, Fortran, Java

INTERESTS AND FASCINATION

Maths-logic olympics: Italian final MATEpristem Bocconi University from 2002 to 2006, 2nd place in Abruzzo
Italian final "Olimpiadi della Matematica" UMI Cesenatico 2009, 2nd place in Chieti
Italian final "Olimpiadi degli Scacchi" Jesolo 2009

Interests: Children entertainer during the summer campus (2008-2011)
Effective soccer referee AIA (2008-2011)

Sports: Swimming (competitive level year 2003), soccer, beach volley

Social networks: BlaBlaCar "ambassador", LinkedIn "max strength" profile

Others: High School students' representative during the last year