

# FRANCESCO MORI

## WORK EXPERIENCE

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| <i>Jan 2020 – present</i>  | <b>Studio Ing. Mori</b>  | <b>Civil Structural Engineer</b>           | Lecco, IT  |
|                            | <ul style="list-style-type: none"><li>• Design and check of steel structures from the numerical model to the final report according to Italian, European, American and Aramco Standards.</li></ul>   |  |            |
| <i>Aug 2019 – Jan 2020</i> | <b>Phononic Vibes srl</b>  | <b>Technology Development Manager</b>      | Milano, IT |
|                            | Phononic Vibes develops and commercialize metamaterials for vibration and noise control, with a circular economy approach.   |  |            |
|                            | <ul style="list-style-type: none"><li>• Tests for characterization of materials from mechanical and acoustic point of view;</li><li>• Simulations with FEM models of Mass-Spring-Mass systems and metamaterial solutions;</li><li>• Tests with intensity probe for transmission loss analysis.</li></ul>   |  |            |
| <i>Apr 2019 – Aug 2019</i> | <b>Phononic Vibes srl</b>  | <b>Infrastructures Project Leader</b>      | Milano, IT |
|                            | <ul style="list-style-type: none"><li>• Management of an entire project about a metamaterial barrier for ground-borne vibration induced by trains up to in-situ installation;</li><li>• Dynamic analyses on FEM models to study vibration propagation near railway track;</li><li>• Structural design of an anti-vibration product;</li><li>• Planning and execution of vibration tests and in-situ measurements with accelerometers and post-processing of data;</li><li>• Dealing with supplier for product realization and vibration tests.</li></ul> |  |            |
| <i>Oct 2018 – Apr 2019</i> | <b>Phononic Vibes srl</b>  | <b>Research and Technology Development</b> | Milano, IT |
|                            | <ul style="list-style-type: none"><li>• Dynamic analyses on FEM models to study vibration propagation near railway track;</li><li>• Measurements with accelerometers of train induced vibration;</li><li>• Acoustic measurements with microphones in hemi-anechoic and reverberant room.</li></ul>   |  |            |

## EDUCATION

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| <i>Jan 2019 – May 2019</i> | <b>Politecnico di Milano</b>   | <b>Technician in Environmental Acoustics</b>      | Milano, IT |
|                            | Habilitation to the profession of technician in environmental acoustics  |   |            |
| <i>Oct 2016 – Oct 2018</i> | <b>Politecnico di Milano</b>   | <b>MSc in Civil Engineering, Structures</b>       | Milano, IT |
|                            | Grade: 110 out of 110 with high honors<br>Thesis: Methods for the reduction of railway-traffic induced vibration<br>Supervisor: Prof. Federico Perotti    Co-supervisor: Ing. Marianna Tomasin, PhD. |   |            |
| <i>Oct 2013 – Jul 2016</i> | <b>Politecnico di Milano</b>   | <b>BSc in Civil and Environmental Engineering</b> | Milano, IT |
|                            | Grade: 110 out of 110 with high honors<br>Thesis: Instrumented indentation test on metallic materials<br>Supervisor: Prof.ssa Gabriella Bolzon   |   |            |
| <i>Sep 2008 – Jul 2013</i> | <b>Collegio A. Volta</b>   | <b>High School Diploma</b>                        | Lecco, IT  |
|                            | Grade: 94/100<br>Scientific studies  |   |            |

## LANGUAGES

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| <i>Mother Tongue</i>   | <b>Italian</b>   |
| <i>Other Languages</i> | <b>English</b><br>Oct 2015: ETS-Toeic, grade 805/990<br>Mar 2013: Cambridge ESOL, Level B1 |

## COMPUTER SKILLS

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*Good Knowledge* Comsol Multiphysics, Matlab, Office, Sap2000, LabVIEW, Abaqus

*Basic Knowledge* GT Strudl, AutoCad

## OTHER

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*International Summer Camp* **Beijing Jiaotong University, 2015** Beijing, CN

Participation to the International Summer Camp organized by the School of Civil Engineering at Beijing Jiaotong University (China).

In this experience I met students coming from other Universities of the world and I attended some small lectures focused on the themes of civil engineering.

*Best Students Award* **Politecnico di Milano, 2014** Milano, IT  
Award attributed taking into account the number of CFU and the average of the exams during the first year