POLITECNICO MILANO 1863

DIPARTIMENTO DI MECCANICA

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OPEN TALK

Simone Baro *is leading NVH team in the group of Tyre Research and Modeling in Pirelli (Milano, IT, HQ R&D division)*

"I have Ph.D. in Mechanical Engineering"

May 10th, 2022
18:00 - 19:15 pm

Only in remote at:

https://politecnicomilano.webex.com/meet/andrea.manes

Abstract

The PhD programs started at Politecnico di Milano in 1984; to this date, more that 4000 PhD titles have been awarded by the university, in disciplines of engineering, architecture, and design.

The PhD degree is the highest level of university education, aimed at developing abilities of PhD candidates through training and research, as well as promoting new entrepreneurial skills. This results in a research thesis with original contributions, enabling them to take up research activities in research centers in universities and in industrial settings.

Mechanical Engineering is one of the leading and driving sectors of industrial manufacturing in Italy.

Within this scenario, pursuing a Doctoral Degree in Mechanical Engineering at Politecnico di Milano represents a key instrument to access leader enterprises in one of the most profitable sectors worldwide; it is a steppingstone to prominent positions in national and international firms devoted to research and development, innovation and design.

Aim of these open talks is to show the value of the PhD degree in an industrial context, through testimonies by individuals who have chosen to pursue a Doctoral Degree in Mechanical Engineering and now, thanks to this, have a significant and stimulating job position in industrial settings.

Speaker short CV

Simone Baro is leading NVH team in the group of Tyre Research and Modeling in Pirelli (Milano HQ R&D division).

He earned the Bachelor and Master degree and following PhD in Mechanical Engineering in 2020 at Politecnico di Milano. Master thesis abroad in collaboration with KTH and Pirelli contributed in the growth of his interest in the NVH (Noise Vibration and Harshness) field with practical industrial application. Research activities during the PhD continued in a rather industrial broad context having the chance to collaborate with several companies (Trenitalia, Pirelli, Leonardo, Fazioli) with applications in rail transport monitoring and simulation, tyre test analysis and model development, and helicopter cabin sound insulation that has been the topic of his PhD thesis.

Working since 2019 in Pirelli, his activities span from technical interaction with clients on NVH topics to predictive modelling, with the final target of supporting the development of more comfortable and quieter tyres, thus facing new challenges both in vibration and noise areas. Strong collaboration with testing (both indoor and outdoor on track) is part of everyday work, as well as coordination on Pirelli side of SBN and ABEN on-going NVH projects being carried out with Politecnico di Milano in the framework of PoliMi-Pirelli JointLabs projects.

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