





OPEN TALK

Stefano Cardamone is a Renewable Energy Systems Engineer at Eni. Novara R&D Center (Italy)

"I have Ph.D. in Mechanical Engineering"

March 17th, 2022 18:00 - 19:15 pm

Only in remote at:

https://politecnicomila no.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

"Stefano Cardamone is a Renewable Energy Systems Engineer at Eni (Novara R&D Center).

He graduated from Politecnico di Milano with a Bachelor's Degree (2011) and a Master's Degree (2014) in Mechanical Engineering. In 2018 he earned the PhD in Mechanical Engineering at Politecnico di Milano. His research dealt with concentrating solar power technologies, structural adhesive bonding, finite element modelling, lightweight design, fracture mechanics. During his PhD studies, he spent in 2017 a 5-month period at Massachusetts Institute of Technology (MIT), working in the Precision Engineering Research Group of prof. A. Slocum. From 2015 to 2018 he worked at Politecnico di Milano in various research projects and as teaching assistant of the B.Sc. courses: Machine Design 1 and Design of Mechanical Systems. He is co-author of 8 papers on international peer-reviewed journals and he presented works in various conferences. In July 2017 he won the Best Poster Presentation Award at the 4th International Conference on Structural Adhesive Bonding in Porto, Portugal.

contact: andrea.manes@polimi.it andrea.bernasconi@polimi. it In 2019 he joined Eni as a researcher of the Renewable, New Energies and Material Science Research Center in Novara. He is mainly dealing with the project lines: concentrating solar power systems (production of thermal energy by using reflection and concentration of sunlight from a large surface to a smaller surface); thermal energy storage systems (storing heat of a working fluid using the thermal inertia of concrete layers for balancing of energy demand between daytime and nighttime); technology validations of various innovative solutions developed inside and outside Eni.