



## OPEN TALK

**Mihaela Eliza Cristea** is a Product Manager Pipeline Technology at Tenaris Dalmine (Italy)

# “I have Ph.D. in Mechanical Engineering”

November 23<sup>rd</sup>,  
2021  
18:00 - 19:15 pm

Only in remote at:

<https://politecnico.milano.webex.com/jet/andrea.manes>

## Abstract

The PhD programs started at Politecnico di Milano in 1984; to this date, more than 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

“Mihaela Eliza Cristea is a Product Manager Pipeline Technology at Tenaris Dalmine (Italy). She joined Tenaris in 2007, where she worked for 10 years in the Italian Research and Development Center in Structural Integrity Department, with special focus on materials behavior for fatigue and fracture assessment. Main leading projects involved structural integrity analysis of seamless pipes for complex applications fields such as: fatigue and fracture assessment, high temperature and sour environment, high strain rate and multiaxial loadings.

Medium term international experiences at different Tenaris R&D centers (6 months at the R&D center in Argentina and 1 year at the R&D center in Brazil) as well as active participation in International Conferences and International working groups on different topics of Tenaris interest enclosed her experience as senior researcher.

In 2018 she moved to Pipeline Technology and she is one of the technical references between customers and commercial team for Linepipe Projects, but also one of the faces of Tenaris front line in the Energy Transition by identifying new product line opportunities/differentiation, developing and providing H2 ready products for pipeline applications.

Graduated at Transylvania University in Romania as mechanical engineer, she carried out her PhD in Mechanical Engineering at Polytechnic of Milan (Italy) with a research activity focused on Fitness for purpose of tubes for hydraulic cylinders.”

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