

A.Y. 2018/2019  
PH.D. COURSE



# TECHNOLOGY & SOCIETY

In our turbulent society, technologies are crucial in solving and shaping challenges in equal measure. The mission of this course is to offer to Ph.D. students awareness of the societal, ethical and political impact of new emerging technologies in engineering, design, and architecture.

By adopting a “critical thinking” sensitivity, the course will develop practical skills and actionable tools for the responsible management of the societal impact of technological research projects.

TUE 7  
MAY

10.30-13.15

Course introduction: Science, Technology & Society

14.30-17.15

Case study: Technological vulnerability and failures

TUE 14  
MAY

10.30-13.15

The public communication of science and technology

14.30-17.15

Case study: Citizens and communities engagement in technological development

TUE 21  
MAY

10.30-13.15

When science goes public: scientific controversies in the public sphere

14.30-17.15

Case study: “datification” and the social life of algorithms

TUE 28  
MAY

10.30-13.15

Responsible Research and Innovation, (nano)technologies and design

14.30-17.15

Conclusion, general discussion, and advice for the writing of the essay

THE COURSE WILL  
ENABLE YOU TO

Recognize and analyse, ethical and political aspects inherent in technological development

Develop a strong reflexivity about the current social, ethical and political challenges arising by the most cutting-edge technological sectors

Learn how to develop research and innovation activities that acknowledge their potential impacts on society

TEACHING STAFF



PROFESSOR

**STEFANO CRABU**

Department of Design,  
Politecnico di Milano



INVITED SPEAKER

**SIMONE ARNALDI**

Università di Trieste



INVITED SPEAKER

**PAOLO MAGAUDDA**

Università di Padova



INVITED SPEAKER

**FEDERICO NERESINI**

Università di Padova

The course will be organized as a series of interactive workshops, which will include exercises via the flipped classroom teaching strategy.

For additional information: [stefano.crabu@polimi.it](mailto:stefano.crabu@polimi.it)  
[www.dottorato.polimi.it/en/](http://www.dottorato.polimi.it/en/)