

# MANAGEMENT OF TECHNOLOGY



The doctoral program in Management of Technology (EDMT) covers a broad range of areas such as Business Analytics, Corporate Strategy, Economics, Entrepreneurship, Innovation, Market Design, Operations Management and Technology Policy. It offers in-depth courses and research opportunities in an interdisciplinary environment, pooling resources from a variety of research units on the EPFL campus and beyond, including Engineering, Finance, Mathematics, the Swiss Program for Doctoral Students in Economics and the EuroTech universities.

My research at EDMT focused on energy policy. I modeled their economic and environmental impact. Besides publishing my results in academic journals and at conferences, I also worked with companies and government agencies in an advisory position. I now work for the Ministry of Economic Affairs and Climate in the Netherlands, where I help evaluate, negotiate, and implement climate and energy policies at the European and national level.

**Paul van Baal,**

EDMT PhD graduate (2019), Policy Advisor at the Dutch Ministry of Economic Affairs and Climate Policy




I decided to pursue a doctoral degree to quench my thirst for knowledge and the doctoral program in Management of Technology at EPFL (EDMT) was the perfect place for that. The environment is really ideal and I met some fantastic people. My PhD year at EPFL also allowed me to acquire the knowledge and skills that led me to continue my path as a research fellow at Harvard Business School.

**Charles Ayoubi,**


EDMT PhD graduate (2020),  
Research Fellow at Harvard Business School





The EDMT program allows you to follow your passion in research while keeping the real-world applications of your research as a key focus. Joining this diverse group of researchers, in the past few months, I have been constantly learning through each conversation, collaboration or even daily catch-ups and have become more and more motivated in the journey that I am going to embark upon as a PhD student.

**Farzaneh Habibollahi,**  
EDMT PhD student (2020)




Joining the EDMT program at EPFL is very rewarding. Doing research and applying it to company data puts me into contact with many experts from both academia and industry. Teaching, which I am very passionate about, is also part of the program. I believe that a PhD at EDMT gives you the necessary skills to succeed in any future career path you choose, with additional perks of being part of a great multicultural and encouraging community.

**Yara Kayyali Elalem,**  
EDMT PhD student (2018)



Intangible assets increasingly drive the world of business: knowledge, data, patents, and so on. My name is Max, I am a third-year PhD student and I investigate intangible assets. My experience in the EDMT program has been exciting: At first, I completed advanced computer science and strategic management courses. Now I am focusing on my research agenda and teaching Master students.

**Maximilian Hofer,**  
EDMT PhD student (2018)



The opportunity to work on the world's most challenging problems in technology and innovation was one of the reasons I returned from industry to academia. Being in a unique interdisciplinary research environment at EPFL enables me to think about issues differently and helps me in developing my own research career journey. And if the EPFL community wouldn't have convinced me already, then definitely Switzerland and Lausanne would have.

**Philipp Schneider,**  
EDMT PhD student (2020)

**“Our mission is to train the world’s foremost experts and leaders in the Management of Technology.”**

**Prof. Thomas Weber,**  
Director of the doctoral program in Management of Technology (EDMT)

## Research orientations

### ECONOMICS & TECHNOLOGY POLICY

Prof. Claudia Binder  
**Human-Environment Relations in Urban Systems**

Prof. Damir Filipovic  
**Quantitative Finance**

Prof. Dominique Foray  
**Economics and Management of Innovation**

Prof. Gaetan de Rassenfosse  
**Innovation and IP Policy**

Prof. Frédéric Kaplan  
**Digital Humanities Lab**

Prof. Luisa Lambertini  
**International Finance**

Prof. Semyon Malamud  
**Financial Economics and Mathematical Finance**

Prof. Philippe Thalmann  
**Environmental and Urban Economics**

### INNOVATION & ENTREPRENEURSHIP

Prof. Pierre Dillenbourg  
**Computer-supported collaborative learning**

Prof. Marc Gruber  
**Entrepreneurship and Technology Commercialization**

Prof. Kenneth Younge  
**Technology and Innovation Strategy**

### OPERATIONS MANAGEMENT & STRATEGY

Prof. Boi Faltings  
**Artificial Intelligence**

Prof. Negar Kiyavash  
**Business Analytics**

Prof. Daniel Kuhn  
**Risk Analytics and Optimization**

Prof. Ralf Seifert  
**Technology and Operations Management**

Prof. Thomas Weber  
**Operations, Economics and Strategy**

Prof. Alain Wegmann  
**Systemic Modeling**

## Supervision & placement

The doctoral candidates complete their degree in about four years. To ensure that progress is made on all fronts, the doctoral program administrator works side-by-side with the candidate's thesis supervisor. EDMT supports the placement of its doctoral candidates, provides them with an administrative and intellectual hub on campus, and offers them a selection of advanced courses that broadens and deepens their knowledge.

## Attractive financing

EDMT students are offered assistantship positions in their research units on a very competitive pay scale. In addition to attending courses and working on their doctoral research, EDMT students, as part of their assistantships, participate in the education of undergraduate and graduate students, and contribute to the organization of their respective research units.

## Interdisciplinary teaching

The students must acquire 30 credits during their studies. 12 credits have to be obtained within the first two years (from core courses offered by the program), whereby 8 credits need to be done within the first year. Students can take advantage of the offerings across EPFL, the University of Lausanne, and special courses such as the joint "Swiss Program for Beginning Doctoral Students in Economics" at the Gerzensee Study Center. Thesis research can be done in collaboration with a broad number of academics across Campus.

## Admissions

Application deadlines: **January 15th & April 15th**  
Changes may apply. For the most recent information, please refer to the program's webpage.

Program start: **September 15th**  
Online applications: **[go.epfl.ch/phd-edmt](https://go.epfl.ch/phd-edmt)**

### EDMT Doctoral School

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Program administrator: Céline Cordey