MANAGEMENT OF TECHNOLOGY
The doctoral program in Management of Technology covers all related fields such as Innovation, Entrepreneurship, Economics & Technology Policy, and Operations Management. It offers high-level courses & research in an interdisciplinary environment by pooling resources of a variety of research units across EPFL’s campus, including engineering, mathematics and financial engineering.

The economics of scientific disclosure by profit-oriented firms

My research focused on the phenomenon that many profit-oriented firms actively contribute to the stock of scientific knowledge. From a traditional viewpoint, the voluntary disclosure of research outcomes appears counterintuitive since competing firms may utilize the revealed knowledge as input for their own R&D. In order to learn about the determinants and performance impacts of scientific disclosure, comprehensive firm-level information has been combined with scientific publication data. Using econometric analysis techniques, evidence was found that such a firm behavior is driven by reciprocal expectations of academic scientists. While university-industry collaboration is frequently regarded as potentially having negative impacts on the academic freedom, the research’s findings suggest that collaboration makes industry more open. In addition, positive effects of scientific disclosure on the firms’ stock market valuation are documented, indicating that disclosure can represent a valuable firm strategy.

Markus Simeth, EDMT Alumni 2013
“Looking back, the PhD program perfectly helped me to learn some basic consulting skills without even knowing it.

After my consulting career, I became an entrepreneur. My first business was selling an IT system that helped brands to run interactive promotions on Facebook Fanpages. Over the first 18 months it was not really clear what product we would end up with. I felt pretty similar to the first months in the PhD program, not really knowing where the journey would end. It was exactly this experience that helped me come up with a nice product that we were eventually able to sell.

“The outstanding quality of the doctoral program in Management of Technology and the excellent academic network of the professors enabled me to achieve my goals and to pursue the academic career I always wanted.”

Margarita Protopappa, EDMT Alumni 2009, Assistant Professor, University of Cologne

“I really enjoyed walking through EPFL EDMT’s PhD program. It was the right step at the right time. Albeit being pretty academic at some point, academic rigor and the permanent feedback you get in terms of one’s writing skills, analytics skills as well as presentation skills was exactly what I needed to take the next level on my way to a career in industry.”

Thomas Langenberg, EDMT Alumni 2007, Entrepreneur

“My professional career has been enhanced & supported by the education and the research I have executed at EPFL’s Doctoral School in Management of Technology. I have worked for the manufacturing industry over the past two decades in different companies and countries, as energy markets have been evolving in different regions with important challenges and business opportunities. My PhD research has been fully applied and it’s helping me to define the future of our business.”

Luis Treviño, EDMT Alumni 2011, Director PepsiCo

“I chose EPFL because of its renowned reputation. The doctoral school and my supervisor gave me the opportunity to acquire the research skills that were instrumental in finding me a position as an assistant professor in Strategic Management.”

Annamaria Conti, EDMT Alumni 2009, Assistant Professor, Georgia Institute of Technology
Research orientations

**ECONOMICS & TECHNOLOGY POLICY**

- Economics and Management of Innovation  
  Prof. Dominique Foray
- Innovation and IP Policy  
  Prof. Gaetan de Rassenfosse
- Network Industry Management & e-Governance  
  Prof. Matthias Finger
- Digital Humanities  
  Prof. Frédéric Kaplan
- International Finance  
  Prof. Luisa Lambertini

**INNOVATION & ENTREPRENEURSHIP**

- Computer-supported Collaborative Learning  
  Prof. Pierre Dillenbourg
- Entrepreneurship and Technology Commercialization  
  Prof. Marc Gruber
- Early Detection of Innovation  
  Dr. Pierre Rossel
- Corporate Strategy and Innovation  
  Prof. Christopher Tucci

**OPERATIONS MANAGEMENT & STRATEGY**

- Artificial Intelligence  
  Prof. Boi Faltings
- Production Management and Processes  
  Prof. Rémy Glardon
- Risk Analysis and Optimization  
  Prof. Daniel Kuhn
- Technology and Operations Management  
  Prof. Ralf Seifert
- Operations, Economics and Strategy  
  Prof. Thomas Weber
- Systemic Modeling  
  Prof. Alain Wegmann
- Logistics, Economy and Management  
  Prof. Philippe Wieser

Supervision & placement

Our 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. The 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 undergraduates and graduate students, and contribute to the organization of their respective research units.

Interdisciplinary teaching & research

During their first year, doctoral students must take 8 of the total program requirement of 30 course credits. 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 15 & April 15
Program Start:  
- September 15
Online Applications only at:  
- http://phd.epfl.ch/edmt

EDMT Doctoral School  
EPFL – CDM – EDMT  
Odyssea building  
Station 5  
1015 Lausanne  
+41 21 693 0139  
edmt@epfl.ch

Director:  
Prof. Dominique Foray
Program administrator:  
Céline Cordey