

DOCTORAL
SCHOOL

MANAGEMENT OF TECHNOLOGY



EPFL

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.

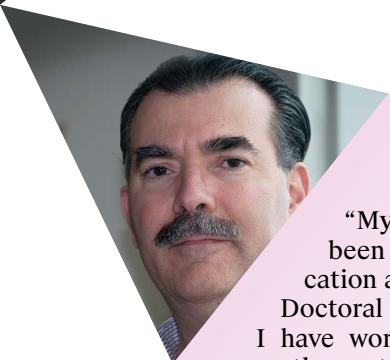
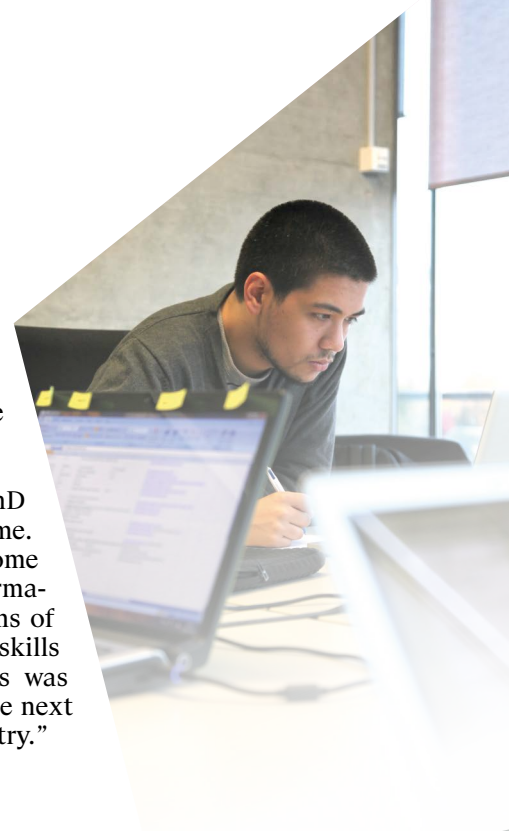
After my consulting career, I became an entrepreneur. My first business was selling an IT system that helped brands to run interactive promotions on Facebook fan pages. Over the first 18 months it was not really clear what product we would end up with. I felt pretty similar to the first months in the 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

Human Environment Relations in Urban Systems
Prof. Claudia Binder

Economics and Management of Innovation
Prof. Dominique Foray

Network Industry Management & e-Governance
Prof. Matthias Finger

Digital Humanities
Prof. Frédéric Kaplan

International Finance
Prof. Luisa Lambertini

Innovation and IP Policy
Prof. Gaetan de Rassenfosse

INNOVATION & ENTREPRENEURSHIP

Computer-supported Collaborative Learning
Prof. Pierre Dillenbourg

Entrepreneurship and Technology Commercialization
Prof. Marc Gruber

Corporate Strategy and Innovation
Prof. Christopher Tucci

Technology & Innovation Strategy
Prof. Kenneth Younge

OPERATIONS MANAGEMENT & STRATEGY

Artificial Intelligence
Prof. Boi Faltings

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 undergraduate and graduate students, and contribute to the organization of their respective research units.

Interdisciplinary teaching & research

During their first year, doctoral students must take 12 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 15th & April 15th**
Program Start: **September 15th**
Online Applications only at: **<http://phd.epfl.ch/edmt>**

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