

4th EuroTech doctoral course: The Economics and Management of Innovation and Technological Change

Eindhoven University of Technology (TU/e)

October 11 to 15, 2021

The course

The EuroTech strategic alliance brings together leading European technological universities – DTU, École Polytechnique, EPFL, Technion, TU/e and TUM – with the goal to foster collaboration in research and education. The Alliance encourages the development of EuroTech communities in specific disciplines, and so professors and Phd students in innovation and entrepreneurship from different schools have established a comprehensive collaboration. In the spirit of this initiative, a winter/summer school on the Economics of Innovation and Technological Change was initiated under the coordination of Dominique Foray at EPFL, where the course was held in 2015 and 2017. In 2019, the course took place at TUM.

Faculty

This year the course will take place at TU/e, from October 11 to October 15. Teaching faculty will comprise Floor Alkemade (TU/e), Marcel Bogers (TU/e), Rudi Bekkers (TU/e), Gaétan de Rassenfosse (EPFL), Dominique Foray (EPFL), Joachim Henkel (TUM), Jason Li-Ying (DTU), Elena Mas Tur (TU/e), Argyro Nikiforou (DTU), and Emilio Raiteri (TU/e).

Learning objectives

Students that completed this program will be able to:

- Have a better sense of the state-of-the-art the in the field of the economics and management of innovation and in the more specialized sub-fields corresponding to own research interest (economics of science, industry dynamics, geography and space, appropriability issue and open innovation, effects of innovation on skills/employment/productivity/firm's growth, innovation policy/institutions, specific technology analysis).
- Recognize what makes for a good research question and identify promising research questions for their thesis and other research projects in the field of economics and management of innovation;
- Elaborate a solid research design, relating in a consistent way the theoretical background, research question(s), method(s), and empirical implementation.

Type of education

The course will alternate formal lectures on various topics in the field of economics and management of innovation, with interactive sessions including student presentations, open discussions, and individual coaching. The course has a study load of 5 ECTS.

Specifically, the daily program offers:

- Formal lecture (1:30 hrs.): Professors present topics of special interest in the economics or management of innovation.
- Student presentation (0:45 hrs.): Depending on the stage of the student's research, the presentation will focus either on the research plan or on a paper in progress. Students who have an early-stage working paper will receive more time to present. The preparation of the presentation is done BEFORE the start of the course.
- Individual coaching/tutorial: A session for an individual student with a professor. The matches will be decided before the beginning of the week. These sessions are not scheduled yet. Their timing will be decided on a case-by-case basis by the professor and the student.

Application procedure

The course is open to all interested doctoral students from EuroTech universities. Should we receive more applications than we have capacity, selection will be based on the topical fit between the student's research and the course content. We strive to achieve a balance between participating institutions with respect to participation. Applications from interested students from universities that are not part of the EuroTech alliance will also be considered. Students are expected to participate in the entire course; should you not be able to attend all five days, please state so explicitly in your application.

To apply, please send the following in a single PDF document named LASTNAME_FIRSTNAME_INSTITUTION (e.g., Teece_David_UCB.pdf) no later than September 1, 2021 to Dr. Emilio Raiteri (e.raiteri@tue.nl), including:

- A short CV;
- The title and a short abstract of your research (please name your advisor and state the stage of your doctoral studies and if you wish to present your work).

Participation fee

For students of one of the EuroTech universities, the participation fee is 100 euros. Each university covers the accommodation and travel expenses of its participants. For non-EuroTech participants, the participation fee is 200 euros. The fee and the generous support from the EuroTech alliance cover participation in all of the activities listed in the program, including coffee breaks, lunch, dinner, and social events.

Students from Eurotech universities should be able to claim all expenses (participation fee, travel and accommodation fee) back from EuroTech budget at their own universities.

Organization of the week :

Sunday, October 10	Arrival	
Monday, October 11	9:30 – 12:00	<ul style="list-style-type: none"> ▪ Opening: <i>Introduction</i> ▪ Lecture, Dominique Foray: <i>The economic fundamentals of innovation</i>
	12:15	<ul style="list-style-type: none"> ▪ Lunch
	13:30 – 17:30	<ul style="list-style-type: none"> ▪ Lecture, Jason Li-Ying: <i>'Profiting' from innovation</i> ▪ Student presentations
	18:30	<ul style="list-style-type: none"> ▪ Welcome reception
Tuesday, October 12	9:30 – 12:00	<ul style="list-style-type: none"> ▪ Lecture, Marcel Bogers: <i>The sources of innovation</i> (TBC) ▪ Student presentations
	12:15	<ul style="list-style-type: none"> ▪ Lunch
	13:30 – 17:30	<ul style="list-style-type: none"> ▪ Lecture, Floor Alkemade: <i>Innovation and grand challenges: the energy transition</i> ▪ Student presentations
	19:00	<ul style="list-style-type: none"> ▪ Dinner
Wednesday, October 13	9:30 – 12:00	<ul style="list-style-type: none"> ▪ Lecture, Gaétan de Rassenfosse: <i>Measuring innovation: IP and beyond</i> ▪ Student presentations
	12:15	<ul style="list-style-type: none"> ▪ Lunch
	Afternoon	<ul style="list-style-type: none"> ▪ [SOCIAL PROGRAM (TBA)]
	19:00	<ul style="list-style-type: none"> ▪ Dinner
Thursday, October 14	9:30 – 12:00	<ul style="list-style-type: none"> ▪ Lecture, Joachim Henkel: <i>IP & Open Source</i> ▪ Student presentations
	12:15	<ul style="list-style-type: none"> ▪ Lunch
	13:30 – 17:30	<ul style="list-style-type: none"> ▪ Lecture, Rudi Bekkers, <i>Empirical Methods</i> ▪ Student presentations
	19:00	<ul style="list-style-type: none"> ▪ Event Dinner
Friday, October 15	9:00 – 12:00	<ul style="list-style-type: none"> ▪ Lecture, Argyro Nikiforou, <i>Science commercialization through spinoff creation</i> ▪ Student presentations ▪ Conclusion of the week
	12:15	<ul style="list-style-type: none"> ▪ Farewell Lunch

Please note, this schedule is tentative and subject to change.