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 in 2015 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 11th to 15th. Teaching faculty will comprise Floor Alkemade (TU/e), Marcel Bogers (TU/e), Rudi Bekkers (TU/e), Gaëtan 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, open 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. Specifically, the daily program offers:
• Formal lecture (1:30): Professors present topics of special interest in the economics or management of innovation.
• Student presentation (0:45): 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 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 criteria will be the stage of the doctoral studies and 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 1st to Dr. Emilio Raiteri (e.raiteri@tue.nl):
  • 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).

Organization of the week :

Sunday 10 October
  Arrival

Monday 11 October
  9:00 – 12:00
  - Opening: Introduction
  - Lecture, Dominique Foray: The economic fundamentals of innovation
  13:30 – 17:30
  - Lecture, Jason Li-Ying: 'Profiting' from innovation
  - Student presentations
  18:30 [SOCIAL PROGRAM (tbd)]

Tuesday 12 October
  9:00 – 12:30
  - Lecture, Marcel Bogers: The sources of innovation (tbc)
- Student presentations
13:30 – 17:30
- Lecture, Floor Alkemade: *Innovation and grand challenges: the energy transition*
- Student presentations

**Wednesday 13 October**
9:00 – 12:30
- Lecture, Gaétan de Rassenfosse: *Measuring innovation: IP and beyond*
- Student presentations
Afternoon
- [SOCIAL PROGRAM]

**Thursday 14 October**
9:00 – 12:00
- Lecture, Joachim Henkel: *IP & Open Source*
- Student presentations
13:30 – 17:30
- Lecture, Rudi Bekkers, *Empirical Methods*
- Student presentations
19:30 [SOCIAL EVENT (tba)]

**Friday 15 October – 9:00 – 12:00**
- Lecture (tba)
- Conclusion of the week

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