

Spring School

Period : March 20, 23, 24

Lecturers : Filippo Callegaro (University of Pisa)

Laura Ferrari (Scuola Superiore Sant' Anna)

Alessandro Nuvolari (Scuola Superiore Sant' Anna)

Venue : Faculty of Science Building #4 Room 501

Organizers : Hideo Kubo, Simona Settepanella,
Masahiko Yoshinaga
(Dept. Math, Hokkaido Univ.)

This program is supported by Hokkaido Universal Campus Initiative.

February 20, 10:30–11:30 Laura Ferrari

How is Sant'Anna : Honors college, Higher Education Programs,
Integration of research and education for student of Economics,
Law and Political Science, Agricultural Science and Biotechnology,
Medical Science, and Industrial and Information Engineering.

February 20, 13:30–15:30 (45 × 2 + discussion) Alessandro Nuvolari

Intellectual Property Rights and Economic Performance:
Some Historical Perspectives, Lecture 1

February 23, 10:00–12:00 (45 × 2 + discussion) Filippo Callegaro

An introduction to hyperplane and toric arrangements, Lecture 1
Introduction to hyperplane arrangements, basic definitions,
Orlik-Solomon algebra, homotopy type, minimality, combinatorial models.

February 23, 13:30–15:30 (45 × 2 + discussion) Alessandro Nuvolari

Intellectual Property Rights and Economic Performance:
Some Historical Perspectives, Lecture 2

February 24 日 10:00–12:00 (45 × 2 + discussion) Filippo Callegaro

An introduction to hyperplane and toric arrangements,, Lecture 2
Toric arrangement, minimality, cohomology ring of the complement.

Intellectual Property Rights and Economic Performance: Some Historical Perspectives

Alessandro Nuvolari, Sant'Anna School of Advanced Studies, Pisa, Italy

The aim of these two lectures is to provide an introduction to the relationship between intellectual property rights (in particular, patents) and economic development. The main question we shall address is: are intellectual property rights good for economic development? In economics, there is a rich theoretical literature on the subject with often conflicting arguments and conclusions. In these lecture, we shall instead looking at this theme in historical perspective. Our conclusion is that a careful reading of the history of patents and of intellectual property in general prompts a radical reconsideration of the traditional policy approach towards innovation and intellectual property

Lecture 1: Patents and the British Industrial Revolution

In this lecture we examine the role played by the patent system in a critical turning point in human history

Lecture 2: Inventors, intellectual property rights and innovation in historical perspective

In this lecture we examine the connection between patents, intellectual property rights in a long term perspective. Particular attention will be devoted to the study of historical cases of "innovation without patents" . We suggest that these case contain important lessons for contemporary policies.

