Proposal for an Alliance4Tech Winter School on Ethics of Technology

1. Title

Risk and Responsibility in Technological Innovation

2. Motivation and learning objectives

Students enrolled in the Allianche4Tech partner universities have an excellent technical and scientific preparation. However, they are not always fully aware that the **decision** to develop technologies and the processes of their **design**, **management**, **control** and **production** are inherently **morally laden** and involve **societal impacts**. This winter school aims to fill this gap by providing an updated overview of cases, frameworks, approaches and methodologies grounded in ethical theories. Lectures and exercises will address the societal impact of technology, risk issues, and the related responsibility of engineers and designers.

After having completed this winter school students will be:

   a) able to identify ethical issues in their field of education;
   b) acquainted with concepts and approaches established in ethical theories.

3. People

The Study unit META – Social sciences and humanities for science and technology, at Politecnico di Milano (www.meta.polimi.it) is in charge of the scientific planning and organization of the School. META comprises the following faculty at PoliMi: Daniele Chiffi, Simona Chiodo, Stefano Crabu, Viola Schiaffonati, Giovanni Valente and Paolo Volonté (coordinator).

Lecturers are:

Alessandro Blasimme, philosopher, ETH Zürich
Daniele Chiffi, philosopher, Politecnico di Milano
Simona Chiodo, philosopher, Politecnico di Milano
Viola Schiaffonati, philosopher, Politecnico di Milano

5. Organization

The winter school lasts **3 days** (see the schedule below) and will take place at Politecnico di Milano, **Lecco** Campus, on **21-23 November 2019**. We plan to start on Thursday early afternoon in order to allow for participants to arrive, and then finish at lunch-time on Saturday.

The school consists of **1 introductory lecture, 3 lectures followed by exercises**, plus **one interactive exercise session**. There will be special attention for group work, in which participants will be prompted to critically think and discuss about case studies provided by the teachers.

Meals are provided by the organization directly on campus and are part of the School itself. Dinner on Friday will be at a restaurant.

6. Venue

The school will take place at the Lecco campus of Politecnico di Milano: 40,000 m² dedicated to education, research, student services and on-campus living space. Lecco is an industrial town placed about 50 km from Milan in a strategic position in the heart of the Pre Alps and at the Lake of Como. Public means of transportation connect the city to the nearest airports.

7. Contents

	Morning	Afternoon
Thursday 21 Nov		h. 14.30 – 18.00 Lecture 1: Simona Chiodo – Introduction to the school Lecture 2: Alessandro Blasimme - Science, technology, and public policy *Exercises* Lecture 3: Daniele Chiffi - Innovation and uncertainty: ethical and epistemological issues *Exercises*
Friday 22 Nov	h. 9.30 – 12.30 Lecture 4: Viola Schiaffonati – Ethics of technology and engineering: from passive to active responsibility *Exercises*	h. 14.30 – 17.30 Group works: Application to case studies
Saturday 23 Nov	h. 9.30 – 12.30 Group presentations	