



**fondazione
cariplo**

POLITECNICO DI MILANO
Scuola di Dottorato di Ricerca
in collaborazione con
FONDAZIONE CARIPLO

Research Management – Resident School

(5 credits)

May 4th-8th 2015 – Politecnico di Milano – Polo Territoriale di Lecco

GOAL OF THE COURSE

The aim of the course is to provide knowledge to draw up a financed research proposal and to develop the required skills to prepare a proposal, to manage the financed projects, to exploit the research outcomes. The main goal is the development of expertise for cooperative research, with a special focus on research funded by public bodies.

The lectures will be given by national and international teachers with experience in research projects (European Commission officers, representatives of industrial groups, experts in writing and managing research projects, officers of the Technology Transfer Office of the Politecnico di Milano).

The course consists of teaching lesson, practical training on specific subjects, and the writing of a project work consisting in drawing up a simplified research proposal and presenting it. The final examination will be undertaken through a “Proposal Evaluation Laboratory” simulating the real process of evaluating a research proposal for the Horizon2020 Programme.

COURSE COORDINATORS

Prof. Tullio Tolio (Politecnico di Milano)

Dr. Jose Carlos Caldeira (President at ANI - Agência Nacional de Inovação, Portugal)

Eng. Marcello Urgo (Politecnico di Milano)

PROGRAMME OF THE COURSE

1. Gaining access to research financing

- a. The role of the research and the research funding.
- b. Research funding at the EU level: Horizon 2020.
- c. Research funding at national and regional level.
- d. Research in Industry.

2. Drawing up a research proposal

- a. Formalizing a research idea.
- b. Call for proposals in Horizon 2020 (work programme, call fiche, templates).
- c. Structuring a research proposal (work breakdown structure, milestones, deliverables).

3. Formal aspects in the definition of a research proposal:

- a. Agreements (Letter of Intent, Non Disclosure Agreement, Consortium Agreement).
- b. Definition of the budget.
- c. Dissemination and protection of the results (patents, technology transfer, start-up).

4. Project Management

5. Evaluation process of a research proposal.

LOCATION

The course will be hosted at the **Lecco Campus of Politecnico di Milano**.

DETAILED SCHEDULE

	Mon 4	Tue 5	Wed 6	Thu 7	Fri 8
09:15 – 10:15	Opening The role of the research and the research funding.	Proposal Writing Laboratory	Servizio Ricerca Ateneo Politecnico di Milano	RTOs in H2020: a UK perspective	Proposal Evaluation Laboratory
10:15 – 11:15				From Research To Commercial Exploitation	
11:15 – 12:15			Proposal Writing Laboratory		
12:15 – 13:15					
13:15 – 14:15	Lunch	Lunch	Lunch	Lunch	Lunch
14:15 – 15:15	Writing a Research Proposal	The dissemination and protection of research results	Research Funding in Europe: Horizon 2020	How to evaluate a research proposal	
15:15 – 16:15			Proposal Pitch with the Officer	Proposal Pitch with the Officer	
16:15 – 17:15					
17:15 – 18:15	Project Work Presentation	Proposal Writing Laboratory	Proposal Writing Laboratory	Venture Capital and the Financing of Innovation	
18:15 – 19:15	Proposal Writing Laboratory				
19:15 – 20:15					
20:15 – 21:15	Dinner	Dinner	Dinner	Dinner	
21:15 – 22:15					

LECTURERS

- *Prof. Tullio Tolio – Politecnico di Milano*
- *Dr. Marcello Urgo – Politecnico di Milano*
- *Eng. José Carlos Caldeira – President at ANI - Agência Nacional de Inovação, Portugal*
- *Prof. Riccardo Pietrabissa – Politecnico di Milano*
- *Eng. Andrea Gentili - European Commission - Deputy Head of D2 "Advanced Manufacturing Systems and Biotechnologies", Directorate "Key Enabling Technologies" in DG RTD*
- *Eng. Harald Egner - EU & Research Partnership Mng., The Manufacturing Technology Centre*
- *Dr. Lisa Santarnecki – Servizio Ricerca Ateneo - Politecnico di Milano*
- *Dr. Raffaele Mauro - Innovation Mng. - Venture Capital & Entrepreneurship, Intesa Sanpaolo*
- *Dr. Monica Pepe., Researcher, IREA-CNR, Institute for Electromagnetic Sensing of the Environment*
- *Dr. Annamaria Petrozza, Researcher, IIT – Istituto Italiano di Tecnologia*
- *Dr. Federico Vicentini, Researcher, ITIA-CNR – Institute of Industrial Technology and Automation*