

POLITECNICO
MILANO 1863

... and suddenly university students
file a patent application

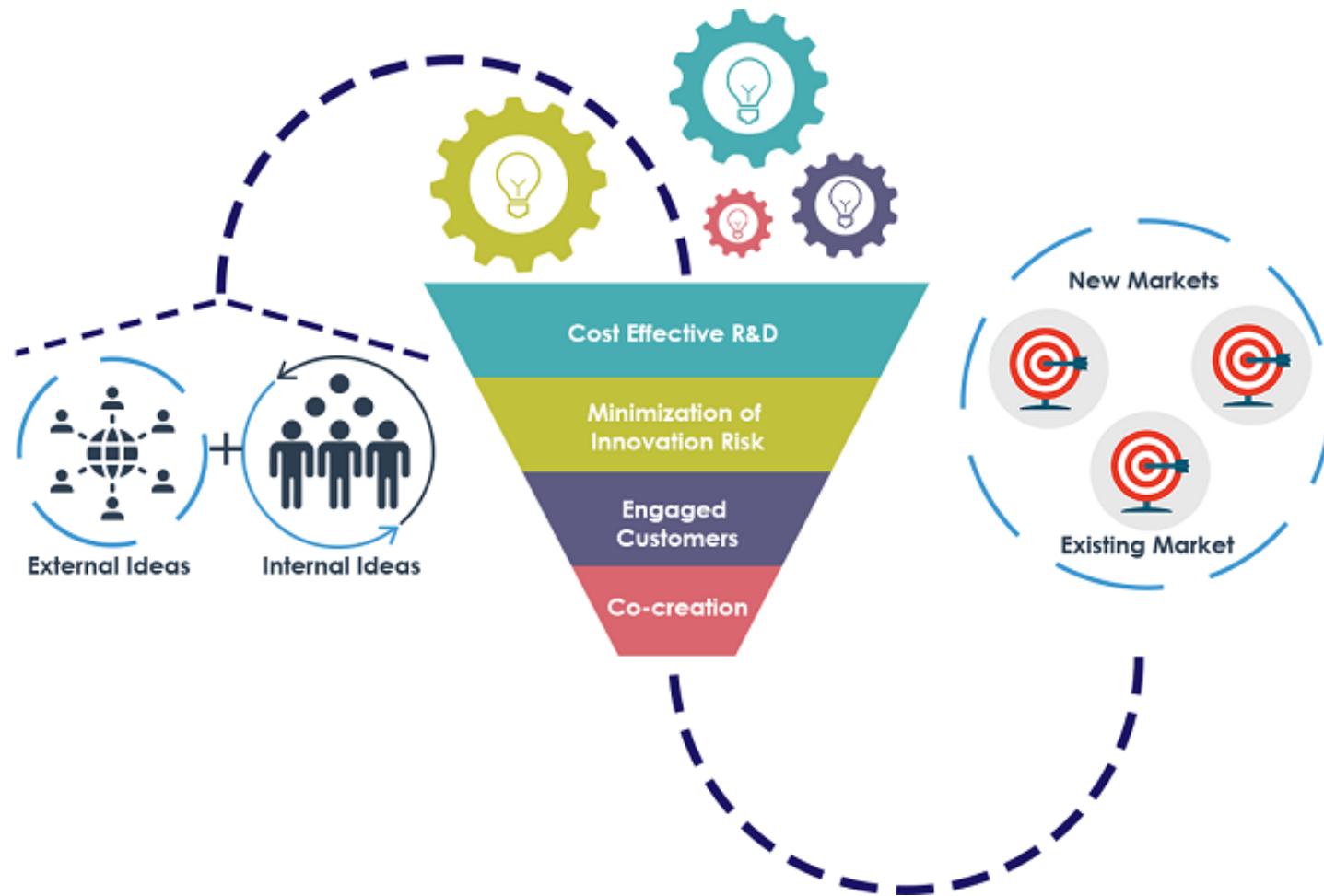
IP
EXPERIENCE



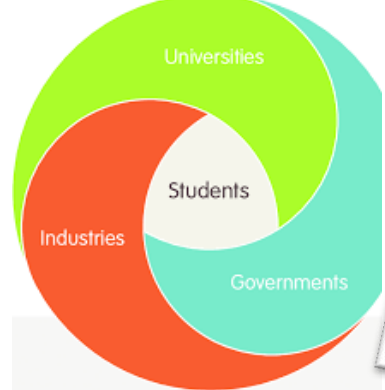
Gaetano Cascini

- Alcune note di contesto
- La collaborazione università-impresa
- La tutela della PI
- Il modello COILab

Alcune note di contesto



Alcune note di contesto



Alcune note di contesto



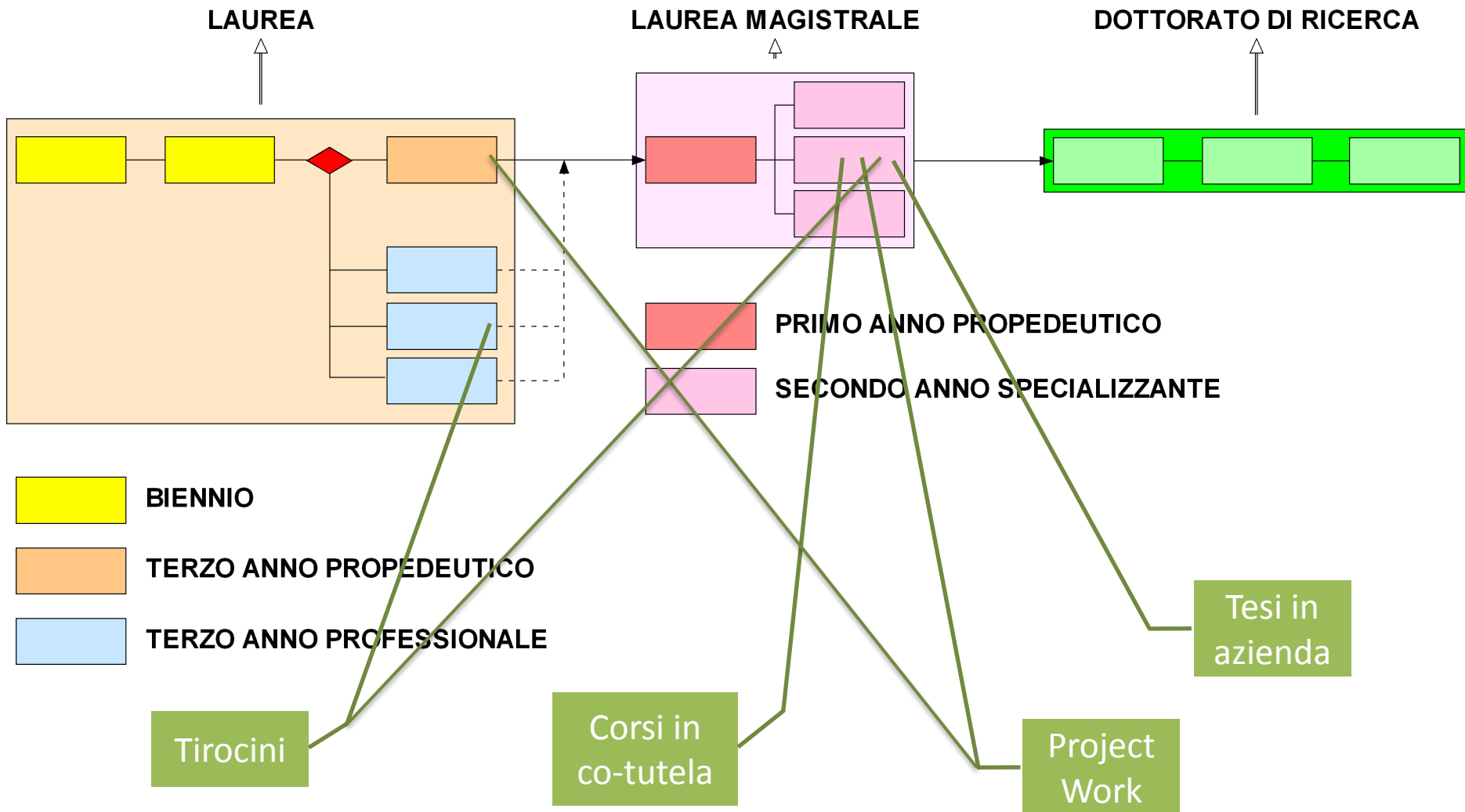
"...AND A FINAL WORD OF THANKS TO THOSE HARD-
WORKING SCHOLARS WHO NEVER SLEEP: THE
TERM-PAPER GHOSTWRITERS."



- Approccio tradizionale:
 - Collaborazioni di Ricerca
 - Prove sperimentali
 - Tirocini

- Varietà e flessibilità crescenti:
 - Insegnamenti in co-tutela
 - Es. MOBILITY: INFRASTRUCTURES AND SERVICES
 - Project Work
 - Es. ELPID: E-learning Platform for Innovative Product Development
 - Workshop
 - Es. Seminari su competenze trasversali LM
 - Tesi in azienda
 - ...

La collaborazione università-impresa @POLIMI-IngMecc



Esempio: Lab. Progettuale CAD (3° anno – Ing. Meccanica)



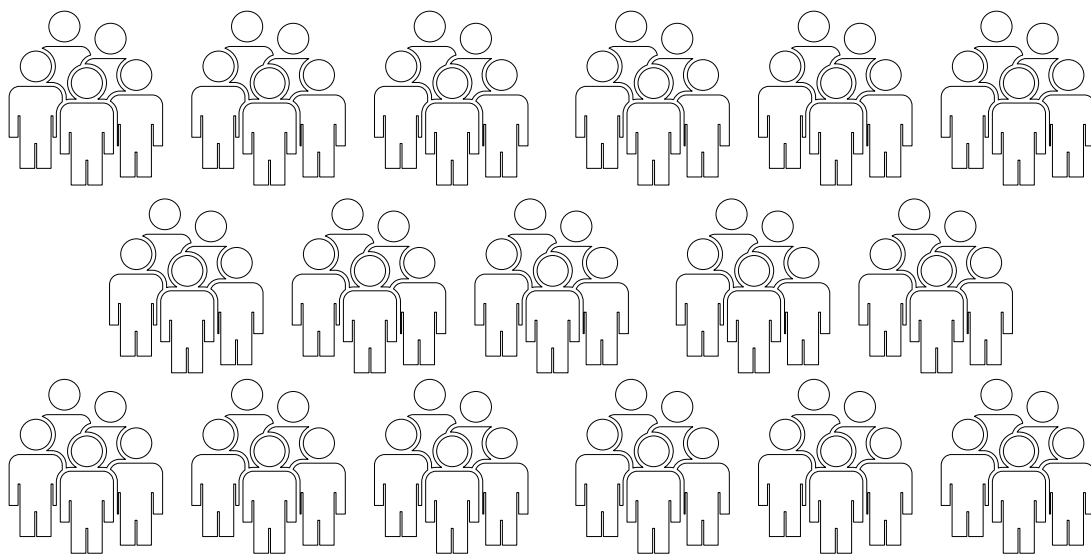
Ingegneria Meccanica
Laboratorio Progettuale CAD
Prof. Gaetano Cascini - A.A. 2018/2019



POLITECNICO
MILANO 1863

INGEGNERIA MECCANICA

CORSO DI STUDI

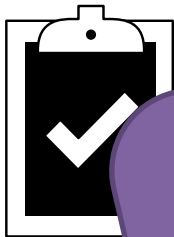


~150 studenti, ~ 25 team di progetto, ~ 120 h (lezione + lab)

Esempio: Lab. Progettuale 3° anno – Ing. Meccanica



Design Task

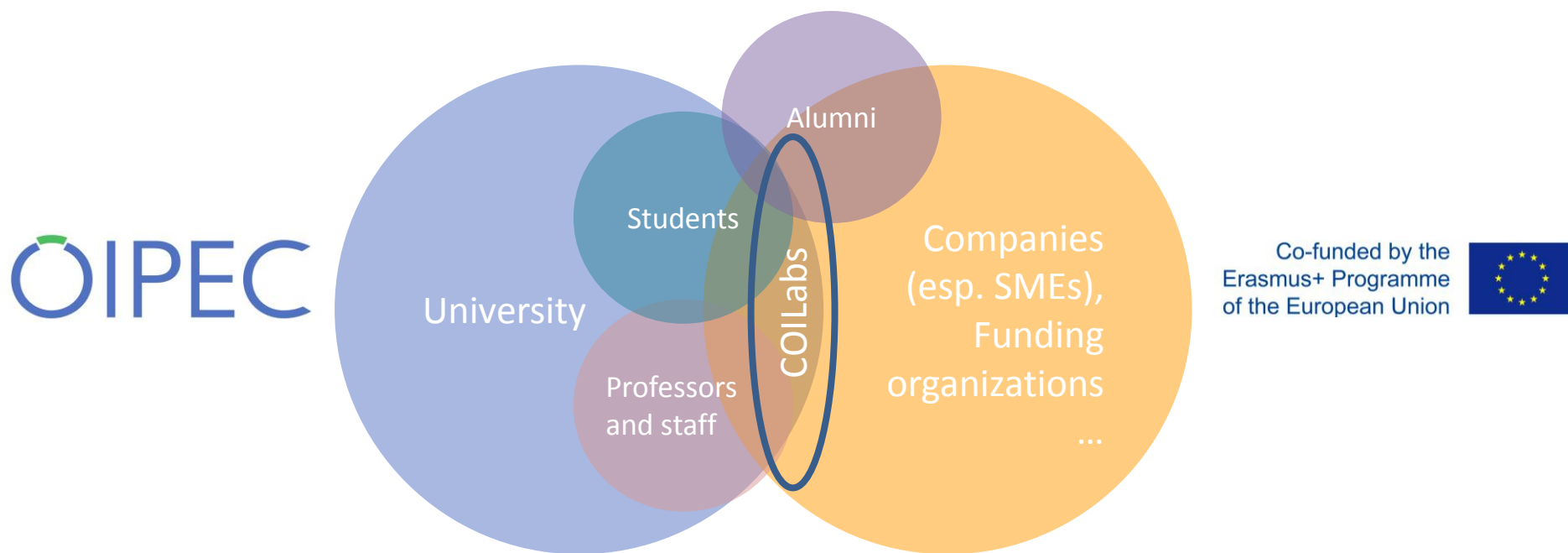


E la Proprietà Intellettuale?



COILabs:

Collaborative Open-Innovation Laboratories

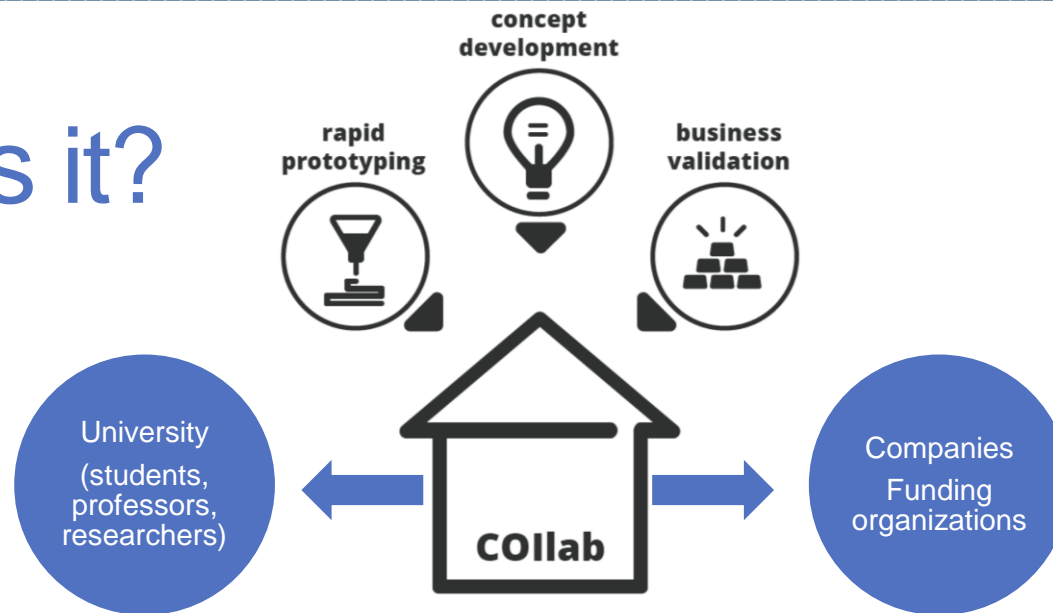


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of the European Union



COILabs are “Collaborative Open Innovation laboratories” to enhance the collaborative activities between **universities** and **enterprises**, with the aim of generating novel products/services or improving existing ones

What is it?



Universities:

Politecnico Milano – POLIMI
Grenoble Institute of Technology – GINP
Lappeenranta University of Technology – LUT
Lomonosov Moscow State University – MSU
Vladimir State University – VISU
Tianjin University – TJU
Hebei University of Technology – HEBUT

Students:

Engineering, Engineering design and industrial design. People interested in MBA or business programs

Size:

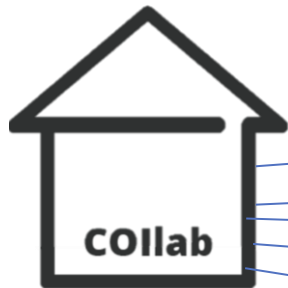
Small and Medium Enterprises

Market sector: Manufacturing, Mechatronics, Technology-related...

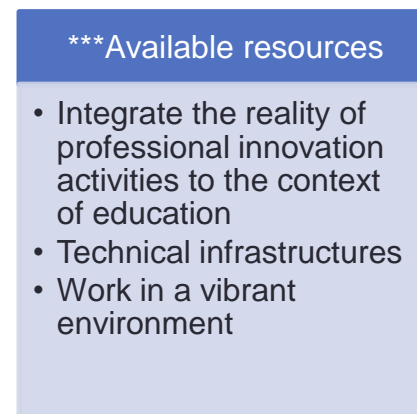
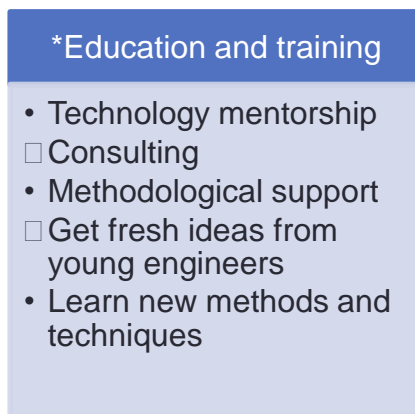
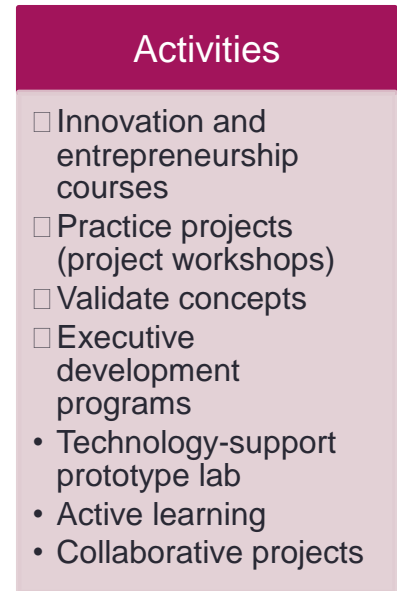
Department:

- R & D,
- Product Planning and Innovation
- Marketing
- ...

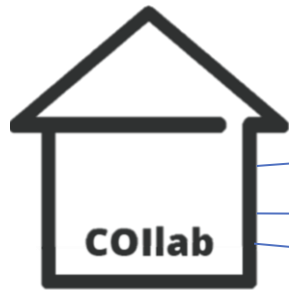
What does it offer?



- *Education and Training
- **Innovation Support
- ***Available resources
- Service provider
- Hiring fresh minds



What does it offer?



*Education and Training

**Communicating opportunities

Financial benefits

University

- Students
- Researchers
- Professors
- Other Staff

Activities

- Innovation and entrepreneurship courses
- Practice projects (project workshops)
- Validate concepts
- Executive development programs
- Technology-support prototype lab
- Active learning
- Collaborative projects

*Education and training

- Mentorship
- Professional training
- Link the education with the practice
- Learn new methods and techniques
- Academic Credits
- Performance

**Communicating opportunities

- Integrate the reality of professional innovation activities to the context of education
- Acknowledgement
- Recognition
- Getting hired
- Reduced formalism in establishing a collaboration with University (SMEs)
- Building the connection between entrepreneurs and investors ahead of time

- Le dinamiche dell'innovazione e l'evoluzione di conoscenze e tecnologie richiedono nuovi modelli di formazione e collaborazione università-impresa
- Un'approccio «aperto» all'innovazione (ed inclusivo rispetto a tutti i potenziali attori) aumenta il potenziale competitivo e non impedisce la tutela della PI

Thanks for your time!!



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Full Professor

Coordinator of the
Mechanical Engineering
Study Programme

DEPARTMENT OF
MECHANICAL ENGINEERING

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