

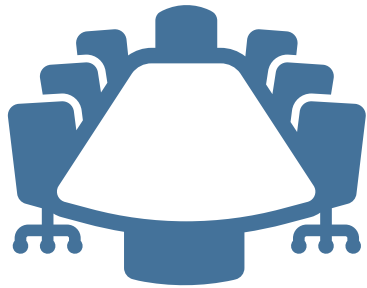


POLITECNICO
MILANO 1863

Master of Science **Final examination**

26.10.2026 | Angela Tumino

Actors



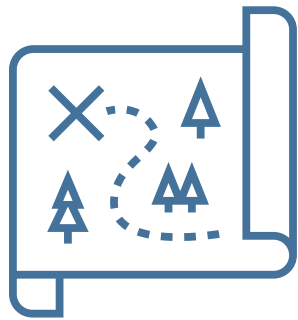
Each final project involves at least two types of actors:

- The **student**, who is responsible for the content, the time management and all the activities needed for the design and development of the thesis. The thesis can be written by one or two students
- The **supervisor**, a Professor or Assistant Professor at Politecnico di Milano, who guarantees that the work is relevant and coherent with the expected learning objectives of the MSc in Management Engineering. The supervisor evaluates the work consistently with the evaluation rubrics provided by the School of Industrial and Information Engineering

Further possible actors involved:

- The **co-supervisor**, a research assistant, a professor or any other person who supports the supervisor in supervising the thesis
- The **reviewer**, who is not involved in the supervision of the student's work and is selected to evaluate the thesis, when requested by the supervisor in line with the requirements of the School of Industrial and Information Engineering

How to find a supervisor



You can find a thesis work:

- **Looking at the proposals on the Thesis bulletin board ('Bacheca tesi') – online services**
- **Sending direct e-mails to professors** in the research fields you would like to develop your thesis work (even if there isn't any proposal on the thesis bulletin board) to ask them for available topics, or suggesting them topics you are interested in

Please, consider that each professor has the possibility to supervise a limited number of theses. To be sure to find a professor available to supervise your work, it is important to get in contact with possible supervisors in advance

Thesis bulletin board

^ Degree - Final exam	
Curriculum Vitae at the Politecnico	☆
Registration to final exam	☆
Graduation fee payment form	☆
Thesis bulletin board	☆

←Proxies > Thesis bulletin board

THEESIS BULLETIN BOARD

Search below for a thesis proposal or, if you already have a supervisor, enter the pairing here indicating the supervisor and the provisional thesis title.

THEESIS PROPOSALS AVAILABLE

ALL THEESIS PROPOSALS

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Application	Proposal status	Provisional title	Supervisor	Co-supervisor	Language	Abroad	Company	Keyword
	Publicata	Chiral deep eutectic solvents: structure and solvation properties of chiral solutes			IT/EN	N	N	chirality, solvation, optical properties, eutectic solvents
	Publicata	Non-ionic hydrophobic eutectic solvents as extracting agents for water remediation			IT/EN	N	N	eutectic solvents, water remediation, pollutants, microextraction
	Publicata	Rational design of sustainable supramolecular gels based on (deep) eutectic solvents and low-molecular weight gelators			IT/EN	N	N	gels, sustainable chemistry, physicochemical characterization

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Thesis bulletin board v. 1.0.3 / 1.0.3

Area Servizi ICT

←Proxies > Thesis bulletin board

THEESIS PROPOSAL

Programmes to which the thesis proposal is offered

Supervisor

Type of thesis

Provisional title/proposed thesis

Abstract

Keyword

Total number of places

Language

Publication date

Deadline for application (expressed in months)

Thesis abroad

Thesis in a company

Co-supervision

Proposal date

Prerequisites

Type of course

Programme

Educational system

Chiral deep eutectic solvents: structure and solvation properties of chiral solutes

Deep eutectic solvents (DES) are an emerging class of environmentally benign solvents. In simple words, DES are mixtures of compounds which can interact each other ending up with non-ideal solutions characterized by important depression of the melting point at the azeotropic composition, thus being liquid at ambient temperature. Their DES can be prepared by mixing nature compounds. Nature provided a large pool of chiral molecules, many other present in both aromatic, as in the case of (+)- and (-)- menthol. This fact provides us with many combinations of compounds to obtain chiral DES. In turn, a chiral solute may be solvated in different ways in chiral DES, thus opening the way to an extensive investigation on the behavior in chiral DES. The outcome of the research may find application in a large repertoire of fields, from the selective extraction of bioactive natural compounds to the fabrication of novel polarized light emitters.

chirality, solvation, optical properties, eutectic solvents

1

Italiano e Inglese

28/11/2024

29/04/2024

Yes

Yes

Articulations for research and team work

MEETING

Request for a meeting with the supervisor for clarification. An e-mail will be sent to the supervisor with the following text. Only one meeting can be requested for the following thesis proposal.
A draft application is created with the meeting request.

Dear professor:

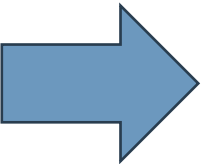
The student #27026117En, registration number #04070004En requested a meeting for clarification on thesis proposal #27026117En.

Chiral deep eutectic solvents structure and solvation properties of chiral solutes.

We invite you to contact the student to arrange the date and place of the meeting. From the "Thesis Bulletin Board" service you can send an email to the student.

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Final examination

The final examination for the Master of Science consists in the **presentation and discussion**, by the student, **of a thesis providing a theoretical, experimental and/or project-based contribution**, developed in an original way under the guidance of a supervisor

If the thesis is judged by the supervisor to be particularly deserving for its original contents AND for the personal contribution of the student, a reviewer is also involved, and he/she formulates an opinion on the work to be submitted to the graduation committee

Thesis without reviewer



Theses without reviewer can be based on:

- ***Empirical activities***, described within a solid theoretical background, leading to relevant implications for academics and practitioners (**on average 50-150 pages, MAX 200 pages**, excluding bibliography and attachments)
- ***Systematic literature review*** in which students analyze the literature on a specific and consolidated topic, providing a synthesis of what has been studied so far, identifying the topics currently under investigation and defining possible future lines of research (**on average 50-150 pages, MAX 200 pages**, excluding bibliography and attachments) (see later)

Thesis with reviewer



- A thesis with reviewer is characterized by the development of **new knowledge and / or innovative approaches** with reference to a **topic of interest both to the scientific community and to practitioners and / or policy makers**. The work must present a discussion of the results obtained aimed at highlighting the theoretical and practical / managerial implications
- The originality lies in:
 - the critical review of literature
 - the development of research questions, hypotheses, and frameworks
 - new models and empirical evidence
 - the discussion of the empirical results and the implication of the results
- The manuscript length on average is **between 100 and 150 pages** (excluding bibliography and any attachments). In any case, **the maximum length allowed is 200 pages** (excluding bibliography and any attachments).

Main info

	Without reviewer	With reviewer
Score	Between -1 and 4/110	Between -1 and 7/110 (+ max 1 extra-point in case of excellence)
Evaluation	50% supervisor 50% graduation committee	30% supervisor 20% reviewer 50% graduation committee
Cum Laude	NO	Following the rules of the school (see later)
Presentation	MAX 10 minutes + questions	MAX 15 minutes + questions
Number of authors	MAX 2	MAX 2
Executive summary	Not compulsory, but recommended	COMPULSORY

Review of literature



A collection of useful links to help the students take the first steps in research and selecting scientific articles for conducting a literature review is available at this link: https://management-eng.polimi.it/wp-content/uploads/2026/06/CEID_Lista-materiali-informativi-analisi-della-letteratura_ENGLISH.pdf



The collection provides:

1. Useful references on how to conduct a literature review
 - How to conduct a systematic literature review step by step?
 - How to read, organise and write an effective literature review?
 - How to identify effective keywords for searching for scientific articles?
2. Useful references on search tools
 - How to search for articles on Scopus effectively?
 - How to search for articles on Web of Science effectively?

Cum Laude



ONLY in case of theses with reviewer, the graduation committee may decide to award honors (“cum laude”), if both the the following conditions are true:

1. **All** the members of the graduation committee agree to assign the “cum laude”;
2. **$V > \max(113 - 0.5L, 111)$** , where:
 - V is the final evaluation without rounding
 - L is the number of exams in which the student obtained “cum laude”

Evaluation



The evaluation provided by the supervisor (and eventually the reviewer) is based on evaluation rubrics. The evaluation refers to:

- Contents (theoretical contents, methodology, novelty, discussion of the results, ...)
- Manuscript (thesis structure, clarity of the text, the graphs, ...)
- Personal skills (motivation, personal contribution, autonomy, ...)
- Extended executive summary

Link to evaluation rubrics (Italian):

https://www.ingindinf.polimi.it/fileadmin/user_upload/upload/Scuola/documenti_regole/Esami_di_laurea/Modello_RELAZIONE_di_TESI_LM_Scuola_3i_per_studenti.pdf

FAQs

- **Should the supervisor belong to the department/course of Management Engineering?**

NO, the supervisor can be from any department of Polimi. Anyway, since every course has its own peculiarities, pay particular attention to the features of the thesis work in Management Engineering, described in our Supplementary regulation

- **Can the final thesis be presented as an “article”?**

NO, the article format is not allowed. For details about the structure of the manuscript please refer to the Supplementary regulation for Management Engineering

- **If we are two students working at the same thesis, do we have to discuss the thesis together?**

Usually, the two students present the thesis together, in the same call. But this is not a requirement. The thesis can be presented only after finishing all the exams. If one of the student has not finished all the exams yet, the thesis can be discussed in different calls. Please consider that the manuscript should be uploaded when the first student is ready for the discussion

FAQs

- **Can I do the thesis with a student attending another course (e.g. mechanical engineering, food engineering, etc.) in Politecnico?**

Yes, it is possible. In this case, however, the students cannot present the thesis together, because each student should discuss it in front of a commission belonging to his/her study course

- **Can I do a thesis based on an internship?**

Yes, you can. However, please consider that it cannot be just a report of the activities you've done during the internship. The content should be compliant with the requirements described in the supplementary regulation for Management Engineering

- **Can I choose whether to do a thesis with or without a reviewer?**

The final decision is in charge of the supervisor, who evaluates the final work and indicates if a reviewer is needed. However, if you have a preference on the final outcome, we suggest to be clear about your expectations with your supervisor, so that he/she can provide you with coherent indications

FAQs

- **If I do a thesis with review, may I choose the reviewer?**

No, you can't. Your supervisor is required to indicate some possible reviewers, but the final decision is made by the degree coordinator, who may also select different reviewers than those proposed

- **Can I do the final presentation online?**

Online presentations are allowed only in case of a few limited exceptions (e.g., double degree students). For online presentations you need to get the authorisation from the School: Presidenza3i@polimi.it

- **Can I use AI tools?**

Yes, provided that they are used appropriately, **with the supervisor's approval**, and that the thesis clearly states how they were used, which tools were used, and for what purposes.

Please note that the thesis must be the result of the student's original, critical, and personal work. Even when AI is used, students remain responsible for the accuracy of the information reported and must demonstrate a thorough understanding of the content and of the methodological choices made.

Where AI tools are used, this must be explicitly disclosed in the thesis by including an **AI use statement**.

Useful links

Guidelines for the final project:

- Supplementary regulation for Management Engineering
https://www.ingindinf.polimi.it/fileadmin/user_upload/upload/Studenti/REGLOLAMEN TI INTEGRATIVI/Regolamento_lauree_ENG_GESTIONALE.pdf
- Regulation the School of Industrial and Information Engineering:
<https://www.ingindinf.polimi.it/en/students/lessons-and-exams/bachelors-and-masters-degree-exams/regulations>
- Suggested template for the final thesis and the executive summary on the [Website](#) of the School of Industrial and Information Engineering

Evaluation rubrics:

- https://www.ingindinf.polimi.it/fileadmin/user_upload/upload/Scuola/documenti_regole/Esami_di_laurea/Modello_RELAZIONE_di_TESI_LM_Scuola_3i_per_studenti.pdf

