

Advanced school in Polymer Processing and Polymeric Materials

Sapienza Università di Roma - Lyondellbasell (Ferrara)

- ❖ **To whom:** The school is aimed at Master students in Chemical Engineering, Chemistry, or any professional holding a MS degree in Chemical Engineering or Chemistry or equivalent degree. Eight positions are available for applicants from any country.
- ❖ **What:** The school provides advanced learning about chemical-physical properties of polymers as well as on industrial polymer processing.
- ❖ **How:** Theoretical aspects are discussed in a series of lectures delivered by academicians and experienced professionals. A *stage* at LyonDellBasell, during which the student will develop a tailored research project, completes the technical/scientific training in the spirit of *learning by doing*. The research project is co-tutored by professors from Sapienza and researchers from LyonDellBasell. Students are supposed to take a test at the completion of the series of lectures, and to submit a final report on the research activity carried out alongside the stage.
- ❖ **Where:** Lectures and stage activities will take place at the Ferrara site of LyonDellBasell (Centro di Ricerche Giulio Natta)
- ❖ **Attestato e CFU:** An attendance certificate is issued to the students at the final discussion of the research project. MS students in Chemical Engineering can apply for the recognition of the school activity of the fulfilment of up to 12 CFU towards the requirements of the MS degree.
- ❖ **Foschini prize:** The best research report will be awarded the Foschini prize, which will be delivered on the occasion of the presentation of the final research report.
- ❖ **Fees and financial support:** School fees amount to 2200 euro and are fully covered by Lyondellbasell. The student is required to pay 420 euro at the enrolment, which will be refunded at the end of the first month from the beginning of the school. Every student is granted a fellowship of 1000 euro per month.

Agenda 2019-2020

- **October 30 2019:** Application deadline.
- **November 12 2019** Results of the evaluation of the applicants' CVs by the admission committee.
- **November 15 2019:** Interviews begin.
- **December 2 2019:** publication of the list of candidates admitted to the school.
- **January-June 2020:** Theoretical lectures and *stage* at Ferrara site.
- **July 2020:** Final project presentation.

Last year experience

Ten students coming from Argentina, Corea, Mexico, Italy, Japan, and Spain were admitted to the 2018/2019 edition of the school. Final projects focused on a wide range of industrially relevant topics, some involving cutting edge research on classical technical aspects of polymer processing (kinetics, rheology, equipment design), some exploring the connections between industrial production with circular economy, energy saving and sustainability issues.

Information on the educational plan and application form can be found at

<https://www.uniroma1.it/it/pagina/corsi-di-alta-formazione>
(course code 27705)

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