

The GRICU PhD National School

In 2007, GRICU (Chemical Engineering University Group) has decided to set up a nationwide educational program in Chemical Engineering at doctorate level. To accomplish that mission, each year a one-week National School is organized in a different location in Italy. The aim of the School is to enable PhD students to enrich their knowledge in topics of general interest in the area of chemical engineering, as well as in more specific, technologically-oriented application fields. The School also represents the ideal meeting place where PhD students in Chemical Engineering and related areas from different Universities can discuss their experience, ideas, research interests and points of view.

The GRICU National School is open to all PhD students in Chemical Engineering and related fields (such as Materials, Food, Environmental and Safety Engineering). Students from other areas, such as Physical, Natural and Life Sciences, are welcome as well.

This year, the lessons concern two specific fields:

- Multi-scale modelling for chemical engineering.
- From research in the lab to profitable applications.

The first part of the course is dedicated to the various aspects of multi-scale modelling for chemical engineering (such as computational fluid dynamics, molecular modelling, complex fluids and colloidal systems, diffusion in polymers, catalytic reactors, manufacturing operations across scales) while the second part of the course is dedicated to the passage from research in the lab to profitable applications.

In addition to school classes, students will have the opportunity to present their research in a dedicated poster session.

Previous GRICU PhD National school programs have been successfully hosted in Le Castella (Calabria, 2008), Muravera (Sardegna, 2009), Rimini (Emilia Romagna, 2010), Santa Margherita di Pula (Sardinia, 2011), Montesilvano (Marche, 2012), Salice Terme (2013), Ferrara (Emilia Romagna, 2014), Padova (Veneto, 2015) and Anacapri (Campania, 2016) with an average of 80 attendees.

The 2017 PhD National School

The topics of the 2017 School are:

- *Multi-scale modelling for chemical engineering*
- *From research in the lab to profitable applications*

Eminent speakers will be lecturing during the 5 days class program. Half a day of the School will be dedicated to the presentation of students research activities and another half a day will be free for visiting Palermo attractions.

The 2017 School will run from Monday, September 25th to Friday, September 29th. Attendees are expected to arrive at the School location on Sunday, September 24th, and not leave before the afternoon of Friday, September 29th.

Upon agreement with most Italian PhD Committees, the active participation to the School will grant Credits (CFU) to the attendees.

Provisional program

(The final program will be available in the near future)

Multi-scale modelling for chemical engineering

Michele Ciofalo (Università di Palermo)
Daniele Marchisio (Politecnico di Torino)
Maurizio Fermeglia (Università di Trieste)
Matteo Maestri (Politecnico di Milano)
Giuseppe Marrucci (Università di Napoli)
Pier Luca Maffettone (Università di Napoli)
Giulio Cesare Sarti (Università di Bologna)
Massimiliano Barolo (Università di Padova)

From research in the lab to profitable applications

Umberto La Commare (Università di Palermo)
Giovanni Perrone (Presidente dell'associazione degli incubatori universitari)
Lute Broens (Biaqua BV)

Registration

The registration fee is € 490,00.

The fee includes lectures, lecture material, coffee breaks, lunches, social dinner and double-room Residence accommodation for five nights (check-in Sunday, September 24th pm, check-out Friday, September 29th am).

Registration must be completed by June 15st, 2017

by sending an email to onofrio.scialdone@unipa.it. The email must include the student's name, postal address, electronic mail address, office and mobile telephone number, name and location of the University attended by the PhD student, year of attendance (first, second, third year). If an attendee wishes to share a room with a particular person, this information must be included in the email.

Payment of the registration fee must be completed by June 30th 2017

The registration fee must be paid by direct bank transfer to the following account:

IBAN: IT82E0200802452000100953390
c/o UniCredit Banca, Agenzia Bologna San Mamolo
Piazza di Porta San Mamolo 6, 40136 Bologna
intestato a: GRICU

N. B. The bank transfer must include the following information: "Registration fee 2017 GRICU PhD School, Name of the attendee"

A copy of the bank transfer must be sent by email to onofrio.scialdone@unipa.it.

Accommodation availability can not be guaranteed for registrations received after the deadline of June 15st and for payments received after the deadline of June 30st.

The registration fee for late registrations and/or payments is € 570.

GRICU President

Prof. Alberto Brucato

PhD National School Coordinator

Prof. Onofrio Scialdone

Scientific Program

Prof. Alberto Brucato (University of Palermo)

Prof. Daniele Marchisio (Polytecnic of Milano)

Prof. Onofrio Scialdone (University of Palermo)

Invited Lecturers (Provisional)

Michele Ciofalo (Università di Palermo)

Daniele Marchisio (Politecnico di Torino)

Maurizio Fermeglia (Università di Trieste)

Matteo Maestri (Politecnico di Milano)

Giuseppe Marrucci (Università di Napoli)

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Lute Broens (Biaqua BV)

Venue

Palermo is one of the most visited tourist destinations in Italy; the city is extraordinarily rich of art, starting from the Arab-Noman itinerary (Unesco World Heritage Centre), of natural beauties such as Mondello beach and Monte Pellegrino and it is famous for the quality of the food. In 2017 Palermo will be the Italian capital of culture.



More in general, it is very nice to walk around Palermo, enjoying of monuments, squares, street food and its atmosphere.

The lessons will be held in the Aula Capitò in Polytechnic School in Viale delle Scienze.

Participants will be housed in the "Camplus Residence" with double room accommodation. The fee includes the breakfast.

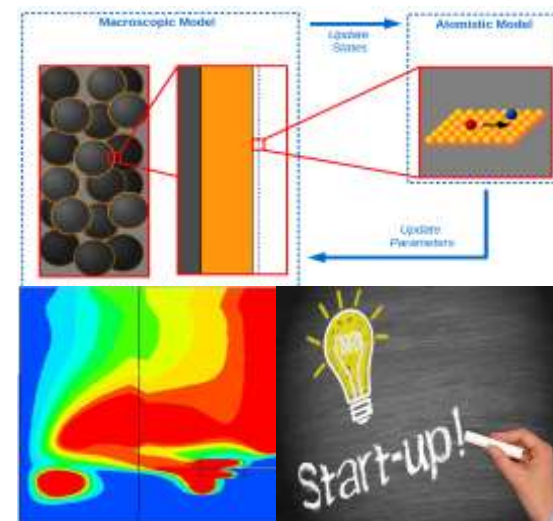
Upon request and availability, single rooms may be provided at an extra cost of 175 €.

"Camplus Residence" provides a comfortable location in via dei Benedettini few minutes walk from the School site at the Polytechnic School of Palermo University. It is also conveniently located near the Palermo city center and the train station.



GRICU PhD NATIONAL SCHOOL 2017

*Multi-scale modelling for chemical
engineering
From research in the lab to profitable
applications*



Palermo

September 25th – 29th 2017