

**Course offered for the PhD program
in Civil, Chemical and Environmental Engineering
Curriculum in Chemical, Material and Process Engineering – a.a. 2022/2023**

(possibility of participation for students in other PhD cycles or other PhD courses)

1. Title

FLUIDIZATION DYNAMICS

2. Course Description

The course will deal with the fundamental characteristics of the fluidization regime for solid-fluid systems. Basic aspects will be tackled (minimum fluidization conditions, homogeneous and heterogeneous bed expansion, fluidized regimes, etc.) as well as more practical aspects (such as the use of a fluidized bed as a chemical reactor).

3. Course Organization

The course is organized in frontal lectures

4. Teacher

Prof. Renzo Di Felice

5. Duration and credits

15 hours (3 credits)

6. Activation mode and teaching period

The course will be held starting June 2023.

7. Deadline for registration

Registration must be completed by the end of April 2023, by contacting the teacher at the e-mail address difelice@dichep.unige.it.

8. Final exam

Final exam will consist in a written test