

**Course offered for the PhD program  
in Civil, Chemical and Environmental Engineering  
Curriculum in Chemical, Material and Process Engineering – a.a. 2019/2020**

(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 2020.

**7. Deadline for registration**

Registration must be completed by the end of April 2020, by contacting the teacher at the e-mail address [difelice@dichep.unige.it](mailto:difelice@dichep.unige.it).

**8. Final exam**

Final exam will consist in a written test