

SCIENTIFIC DISCIPLINARY AREA: INDUSTRIAL AND INFORMATION ENGINEERING

RESEARCH PROGRAM NO. 40

The assessment criteria for the qualifications and the interview will be affixed on 04.01.2017 at 9.00 in Dipartimento di Chimica e chimica industriale (DCCI), Via Dodecaneso 31, Genova

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 04.01.2017 at 12.00 in Dipartimento di Chimica e chimica industriale (DCCI), Via Dodecaneso 31, Genova

The interview will be held on 04.01.2017 at 14.00 in Dipartimento di Chimica e chimica industriale (DCCI), Via Dodecaneso 31, Genova

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

Scientific coordinator: Prof. Vincenzo DOVI

NO.1 research fellowship - Duration: 1 year – Annual pre-tax amount: € 23.250,00

Title: Development of the methodology for the optimisation of soil remediation technologies.

Description: Several technologies have been developed for the remediation of soils. Broad guidelines have been proposed for the selection of the most convenient remediation strategy by regulating and enforcing agencies. A key objective is the minimisation of both environmental and economic impacts.

Due to the ever-increasing number of technologies developed, more rational, quantitative and model-based decision support tools are required. To this purpose, the grant-holder will develop algorithms combining physical chemical modelling, statistical analysis of experimental data, overall impact on groundwater and surface streams, as well as software coding for interfacing the resulting algorithms to the ReTeST environment recently developed by DCCI for Eni.

Scientific disciplinary sector: ING-IND/26 ANALYSIS, DESIGN AND CONTROL OF CHEMICAL PROCESSES

Place: Dipartimento di Chimica e chimica industriale (DCCI)

Required degree:

Dottorato di ricerca in Ingegneria Chimica

Subjects of the interview:

- Fundamental soil properties
- Modelling of contaminants migration
- LCA of remediation technologies

The candidate will need to prove his/her knowledge of the English language.