

**SCIENTIFIC DISCIPLINARY AREA: INDUSTRIAL AND INFORMATION ENGINEERING**

**RESEARCH PROGRAM NO. 39**

**The assessment criteria for the qualifications and the interview will be affixed on 26.10.2018 at 13.30** in Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti (DIME), Sezione TEC, Via all'Opera Pia 15/A, Genova.

**The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 26.10.2018 at 16.30** in Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti (DIME), Sezione TEC, Via all'Opera Pia 15/A, Genova.

**The interview will be held on 26.10.2018 at 17.00** in Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti (DIME), Sezione TEC, Via all'Opera Pia 15/A, 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. Corrado SCHENONE

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

**Title:** Transnational policies for the control and reduction of the acoustic impact of ports.

**Description:** The research activity will focus on the role that cross-border cooperation policies can play in reducing the noise impact of ports and fostering coordinated actions for noise control in urban areas near ports. In particular, issues of environmental policy and governance will be addressed with an interdisciplinary approach, since they are key elements in pursuing an effective and lasting reduction of noise pollution in ports. Despite the great availability of soundproofing technologies, the current noise control actions in harbors risk to be inefficient because of the lack of a common regulatory framework between the different countries and of specific EU policies regarding port noise.

**Scientific disciplinary sector:** ING-IND/11 FISICA TECNICA AMBIENTALE

**Place:** Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti (DIME)

**Required degree:**

Laurea V.O. in: Politica del territorio, o Pianificazione territoriale, urbanistica e ambientale, o Scienze internazionali e diplomatiche, o Scienze politiche.

Laurea Specialistica delle classi: 54/S Pianificazione territoriale urbanistica e ambientale, o 60/S Relazioni internazionali, o 99/S Studi europei.

Laurea Magistrale delle classi: LM-48 Pianificazione territoriale urbanistica e ambientale, o LM-52 Relazioni internazionali, o LM-90 Studi europei.

**Subjects of the interview:**

Legislation and regulations concerning environmental noise, the role of cross-border cooperation in environmental management, EU convergence in environmental policy.

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

## **RESEARCH PROGRAM NO. 40**

**The assessment criteria for the qualifications and the interview will be affixed on 26.10.2018 at 8.30** in Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti (DIME), Sezione TEC, Via all'Opera Pia 15/A, Genova.

**The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 26.10.2018 at 11.30** in Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti (DIME), Sezione TEC, Via all'Opera Pia 15/A, Genova.

**The interview will be held on 26.10.2018 at 12.00** in Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti (DIME), Sezione TEC, Via all'Opera Pia 15/A, 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. Corrado SCHENONE

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

**Title:** Analysis of the use of Liquefied Natural Gas (LNG).

**Description:** The research grant concerns the study of the use of LNG (Liquefied Natural Gas) with particular reference to scenario analyzes both in harbors and in areas near ports. Objectives of the research activity are: 1) estimation of the Natural Gas demand in different sectors (e.g. residential, thermoelectric and industrial / tertiary) in the eligible area of the EU INTERREG Maritime program, through the implementation of static and dynamic models; 2) analysis of the environmental impact of energy supply in ports and assessment of potentials and benefits coming from the use of LNG; 3) analysis of LNG re-gasification processes from sea water or submerged flame.

**Scientific disciplinary sector:** ING-IND/11 FISICA TECNICA AMBIENTALE

**Place:** ~~Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni (DITEN)~~  
Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti (DIME)\*

**Required degree:**

Laurea V.O. in: Ingegneria nucleare, o Ingegneria meccanica.

Laurea Specialistica delle classi: 33/S Ingegneria energetica e nucleare, o 36/S Ingegneria meccanica.

Laurea Magistrale delle classi: LM-30 Ingegneria energetica e nucleare, o LM-33 Ingegneria meccanica.

**Subjects of the interview:**

Energy demand forecasting, modelling of energy systems, management of gas networks.

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

\*amended with Rectoral Decree no. 5281 dated 29<sup>th</sup> October 2018