SCIENTIFIC DISCIPLINARY AREA INDUSTRIAL AND INFORMATION ENGINEERING

RESEARCH PROGRAM NO. 1

The assessment criteria for the qualifications and the interview will be affixed: on **27.09.2019** at **9.00** in Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni (DITEN), Via Opera Pia 13, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed: on **27.09.2019** at **12.00** in Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni (DITEN), Via Opera Pia 13, Genova.

The interview will be held: on **27.09.2019** at **15.30** in Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni (DITEN), Via Opera Pia 13, 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.

As regards candidates, who are not resident or domiciled in Italy, and those, who are resident or habitually domiciled at a distance of more than 300 Km from the selection centre, the interview, if requested, can also be held by electronic means (SKYPE video conference call) promptly contacting Prof. Raffaele Bolla via the email address:raffaele.bolla@unige.it.

Scientific coordinator: Prof. Raffaele BOLLA
NO. 1 research fellowship - Duration 2 years – Biennial pre-tax amount: € 49.130,00 (including administration costs)

Exclusive destination of the research fellowship to candidates who are 29th years old or below that age at the date of 15.6.2018 (publication notice of public date n. 422 of 13.6.2018 of Regione Liguria)

Title: Mechanisms for the advanced security management in virtualized network environments

Description: The research activity aims at extending the work done by UNIGE and Ericsson in the H2020 European project ASTRID, with the intent of specializing the approach studied in that context towards the network management. More in detail, the objective is to inspect the problem of the automation of the security management and response to threats, security incidents and cyber-attacks by applying the solutions and concepts defined in the ASTRID project to the case of network management. A first phase will be dedicated to the acquisition of know-how, about both cyber-security and network technologies, with particular reference to NFV/SDN approaches and network management. The second phase will focus on the specialization and application of automation technologies borrowed from the ASTRID project in the context of network management.

Scientific disciplinary sector: ING-INF/03 TELECOMUNICAZIONI
Place: Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni (DITEN)
Required degree:
Laurea V.O. in Ingegneria delle Telecomunicazioni, in Ingegneria Informatica, in Ingegneria Elettronica; Laurea Specialistica delle classi 30/S Ingegneria delle Telecomunicazioni, 32/S Ingegneria Elettronica, 35/S Ingegneria Informatica; Laurea Magistrale delle classi LM-27 Ingegneria delle Telecomunicazioni o Multimedia Signal Processing and Telecommunication Networks, LM-29 Ingegneria Elettronica, LM-32 Ingegneria Informatica.
Subjects of the interview: Technologies related to modern wired and wireless telecommunications networks, with in-depth analysis of Software Define Network (SDN) and Network Function Virtualization (NFV) technologies and the aspects related to cyber-security. Verification of programming skills with particular reference to the C ++ language and the Matlab environment.

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