



# ICT DAYS

## ALES

### **Offerta: lavoro e stage**

Research Engineer on Cyber Security

ALES S.r.l. invites qualified individuals to apply for a Research Engineer position on the domain of Cyber Security.

The successful candidate shall provide technical expertise in the areas of Cyber Security for small purpose device and connected systems architecture and the various software intensive products.

The candidate's responsibility is to use his/her expertise and know-how in order to provide the customer with innovative solutions that will be deployed on the final commercialized product.

The application domains vary from the building automation and integration of heterogeneous services (access control, security, climate control, etc) to the single application's

big-data management using cloud-based services. The emphasis in any application shall be the optimization of product's performances and preservation of its security properties.

The primary responsibility of the position will be to lead and grow the technical area of Cyber security Embedded for applications of interest to UTRC and to interact within UTC Business Units Cyber Security responsible and externally to incorporate domain knowledge.

Candidate must possess expertise and domain knowledge in Cyber security, including being able to identify potential product security vulnerabilities, where the weak points in the systems are, create a risk profile of the system, then assess & implement proposed solutions that eliminate identified vulnerabilities. Candidate should be able to establish and disseminate best practices for the creation of secure products and systems, and work with global engineering teams to establish cyber security design policies and ensure that these policies are incorporated into product design, with requirements traceability and system validation and

verification.

Candidate must be able to economically and effectively prepare submission and then manage European Project on Cyber Security.

Candidate must understand the unique vulnerabilities in embedded systems that are commonly exploited. Discover techniques and strategies for designing cyber security measures into products from the start. Possesses a continual approach to examine emerging threats and is able to think like a "hacker" to create more secure products. Candidate should be able to use methodologies for assessing risk, integrating defensive tools for mitigating risk and addressing future vulnerabilities throughout the product life cycle. Capable of life-learning to identify and harness best practices to integrate into CCS/OTIS design processes to raise our level of product security.

#### Formal Methods Engineer/Scientist

ALES s.r.l. invites qualified individuals to apply for an Engineer/Scientist position on development of formal methods and technologies for Embedded Systems and Software Verification and Validation.

The successful candidate will provide technical expertise in one or more areas related to Formal Methods for the verification of embedded systems and software.

The candidate shall be part of a team that handles the end-to-end application lifecycle; from requirements elicitation to development down to the testing and application release.

The candidate must be able to work in a multinational team environment focused on innovation techniques.

Education The minimal education is to hold a MS in computer science or information technologies.

Experience/Qualifications The candidate shall be able to contribute to the definition of novel application of formal

methods and shall possess knowledge and ability to apply formal methods and technologies such as model checking, static analysis, abstract interpretation or theorem proving

#### Software Engineer for IoT Applications

ALES s.r.l. invites qualified individuals to apply for a Software Engineer position on for IOT applications related to the design and analysis of embedded systems and networks.

The successful candidate will provide technical expertise in the area of Internet Of Things, Cloud, Cyber Security, Knowledge-Based systems, Software application development and Software architecture design. The candidate shall be part of a team that handles the end-to-end application lifecycle; from requirements elicitation, down to the testing and application release

The candidate must be able to work in a multinational team environment focused on innovation techniques

**Presentazione delle figure ICT:**

<https://www.linkedin.com/jobs/search/?keywords=ALES&location=Italia&locationId=it%3A0>