

## **Call for PhD Applications → Early Stage Researchers (ESRs) @ NeCS MCSA ITN**

NeCS is the H2020 EU Network in Cyber Security project (Marie Curie Inn. Training Network: MCSA ITN) that targets research and training activities in the broad area of cyber security. NeCS is currently recruiting 15 PhD positions (i.e., 15 ESRs: Early Stage Researchers) to be enrolled in computer security PhD programs.

The ESR positions are offered in different countries:

- **Italy:** 4 positions at National Research Council of Italy (CNR) and 2 positions at University of Trento (UNITN);
- **Spain:** 2 positions at University of Malaga (UMA) and 2 positions at Atos;
- **Germany:** 1 position at Technical University of Darmstadt (TUD);
- **UK:** 2 positions at British Telecom (BT) and 2 positions at University of Kent (UoK).

The scope of each position is presented here:

<b>Position</b>	<b>Organization</b>	<b>Scope</b>
Position 1	CNR	Risk aware data usage control
Position 2	CNR	Risk assessment for cyber-insurance
Position 3	UMA	Metrics for cyber-security
Position 4	UMA	Trustworthy information exchange
Position 5	CNR	Dynamic threat assessment & prediction
Position 6	TUD	Security risk measurement & SLAs
Position 7	UNITN	Risk metrics for vulnerabilities
Position 8	UNITN	Attack vectors & cyber-threats
Position 9	BT	Security Operations management systems and services and EU policy compliance
Position 10	UoK	Privacy- and Secrecy- preserving, Secure Processing of Big-Data / EU policy compliance
Position 11	BT	Multi-staged attack & advanced malware
Position 12	ATOS	Intelligence & incident information sharing
Position 13	ATOS	Run-time adaptation of security
Position 14	CNR	Usage control for information sharing
Position 15	UoK	Modelling and analysing trust and influence in social networks

**Eligibility:** The applicants should, at the time of selection, be in the first four years of their research careers (measured from the date when they obtained the degree which would entitle them to embark on a doctorate). The applicants should not be in possession of a doctoral degree, but should have the necessary qualifications to embark on a PhD program. All the ESRs will be required to be enrolled in the PhD programs. *The applicants (regardless of their nationalities) must not have resided or carried out their main activities (work, studies, etc.) in the country of the recruiting organization for more than 12 months in the last 3 years.*

**Secondments:** By the nature of this training network, all ESR positions also involve secondments (similar to an internship) to other NeCS partners to broaden and enrich the ESRs skills and experience. The planned secondments are usually between 30-50% of the overall time of employment.

**Salary:** NeCS provides competitive financial support to the ESR including a competitive monthly living and mobility allowance, coverage of the expenses related to the participation in the research and training activities (contribution to research-related costs, meetings, conference attendance, training actions, etc.). Each ESR position will be sustained by NeCS for up to 3 years.

**Applications Process:** The applications are performed in two stages:

Phase I (Central Network Application): The applicant sends to **necs-jobs@iit.cnr.it** a single pdf file containing the following: (1) CV in the EuroPass format (with list of publications and at least two contacts for reference) (2) Statement expressing their research interest and plans, and (3) Desired position(s) # and name(s) of host entity.

Phase II (Local enrolment): After passing the conformance check in Phase I, the application follows the local recruitment procedures of the selected NeCS recruiting organization to conduct the local enrolment.

**Deadlines:** Applications will be reviewed in a streaming manner with first selection starting Sept 1<sup>st</sup>, 2015.