

Marie Skłodowska-Curie Action Individual Fellowship (IF) at Ro Technology srl R&D department

- **OFFER DEADLINE**

22/06/2018 14:30 - Europe/Brussels

- **EU RESEARCH FRAMEWORK PROGRAMME**

H2020 / Marie Skłodowska-Curie Actions

- **LOCATION**

Italy, Roma

- **ORGANISATION/COMPANY**

Ro Technology srl

- **DEPARTMENT**

Research and Development

Ro Technology profile

Ro Technology is a technological and innovative SME. It was founded in January 2011 by a group of professionals with broad experience in design of embedded systems, GIS systems, Web application and cryptography. Over the years, the enterprise has grown and organized in three areas: Services, Projects and the Research & Development Area that works in partnership with important Italian and European research centres.

The main technical skills

The skills RoTechnology has built up through years of experience in developing international research projects are enable to respond quickly and reliably to the needs of our customers.

- Embedded System Design, FPGA Design, IoT and Wireless Sensor Networks;
- Security, cryptography, intrusion detection targeted for resource-constrained devices;
- Communication protocols design&development for several industry fields (Telco, Automotive, Aerospace, Defense);
- Requirements engineering, interoperability, control and validation, static and dynamic tests and AIV engineering;
- Design and development of mathematical models and algorithms;
- Monitoring Systems and applications for ICT;
- Design and development of applications in the domain of Territorial GIS systems;
- Design of complex systems

Our Products

- **SDM** (Secure Data Mining) platform (SOTA solutions) for securing the transmission of sensitive data detected through WSN
- **pLIS** the pLIS platform arises from the need to provide the provisioning and management of telephone flows from the Network Element and delivery of the flows themselves to the listening points of the competent authorities, all in a single solution.
- **SSmart-Inventory®**: is a solution oriented to the analysis, data and information management of all customer assets and to the management and correlation of geographic "data" (Georeferencing) and to "Governance in the management of events".

- **rMM** Mobile Monitoring – Platform made for the QoS of mobile and WiFi networks: <https://www.youtube.com/watch?v=y6usen-6yts>
- **PSIM**, is an Immigration Services Portal to facilitate access to services on the territory, by immigrants, through the enhancement of public-private networks.

Relevant R&I projects

Participating in research projects is one of the target of Ro Technology in order to improve the skills/expertises of the technical staff. The main objective in Research and Development area is to participate to national and European programs/calls in association with the best universities and the most reliable partners. In Italy, the R&D area has implemented and strengthened partnerships with the University of L'Aquila, the University of Tor Vergata, and recently with the University La Sapienza of Rome.

Ro Technology is actually participating, as partner, in three EU projects funded under H2020-ICT/ECSEL, one national project funded by the Italian Ministry of Defence and one at regional level with Lombardy Region with POR/FESR funds. The applications fields are different, from security in WSN applications, cyber-physical systems to innovative technologies for intelligent vehicles and smart farming.

Required profile

The Research and Development Rotechnology's department is looking for an experienced researcher with a doctoral degree or at least four years' full-time research experience by the time of the call deadline with the following expertise

- Postdoc degree or research experience in electronic design engineering, software engineering or related.
- Experience and high interest in DataBase, security, safety, Machine Learning, Block chain, communication protocols, embedded systems.
- Basic knowledge in at least one programming language such as: C, C++, Java or VHDL/Verilog.
- Results oriented and proactive.
- Strong collaboration and team working skills.

Who can apply?

The candidate

- Shall be in possession of a doctoral degree or have at least four years of full-time equivalent research experience.
- Must not have resided or carried out their main activities in Italy for more than 12 months in the 3 years (36 months) immediately prior to the abovementioned deadline.

Specific requirements

- A Curriculum Vitae
- Summary presentation of the candidate's research proposal and expertise that he/she would bring to the institution
- A motivation letter (1 page) possibly including references

Next steps

1. If you are interested please send the specific documents required by 22 of June
2. We will contact the suitable candidates with a support in developing the proposal
3. The candidate submits the proposal by the MSCA IF 2018 call deadline 12.9.2018