



3 funded full-time Junior Researcher/PhD Positions – Cyber risk and cybersecurity

Your Job:

You will participate in the new research project CPP2021-009025 “DICYME: Dynamic Industrial CYberrisk Modelling based on Evidence”, funded by MCIN/AEI/10.13039/501100011033 and the European Union NextGenerationEU/PRTR. The work will be performed in close collaboration with a leading industry partner, DeNexus Tech S.L., and involves a mix of research, programming, modelling, and experimental validation. You can expect a full-time position in a highly motivated, young research group that offers an excellent research infrastructure. The workplace is in Móstoles (Madrid, Spain).

In parallel you will develop your PhD in dynamic cyber risk management and risk-based adaptive cybersecurity supervised by Dr. Marta Beltrán at the Rey Juan Carlos University. Each of the positions will be focused on a different research area:

1. Threat hunting, threat modelling and threat intelligence as source of evidence for cyber risk quantification.
2. Natural Language Processing/Deep Learning applied to threat intelligence and cyber risk analysis.
3. Visualization of cyber risk, decision support and recommendation systems.

Your Profile:

- A bachelor's degree in computer science or engineering (or related fields).
- Very good knowledge of cybersecurity.
- Programming skills, ideally in Python.
- Fluent written and spoken English, Spanish language skills are advantageous.
- Ability to work in a team and cooperatively.
- Independent and analytical way of working.
- Desirable, a master's degree (or close to completion) in cybersecurity or artificial intelligence (or related fields).
- Knowledge of cyber risk analysis and management is an advantage.

Our Offer:

Do you have innovative ideas that can contribute to the success of this kind of project? Then please apply! We welcome committed new colleagues who want to find solutions for cyber risk analysis and management together with us and offer you the best conditions for your successful doctorate:

- Employment with one of Spain's top universities in cybersecurity.
- A highly motivated and international research team.
- Best conditions for successful work in a home office (2/3 days per week).
- Opportunity to participate in national and international conferences and meetings.
- Extensive offer of further education as support for a successful doctorate.
- A contract for a period of three years within the framework of a doctorate at Rey Juan Carlos University from March 2023.



- Remuneration and social benefits according to your Junior Researcher position (around 22.000 euros/year).
- 30 days of annual leave.
- Further development of your personal strengths, e.g. through an extensive range of training courses; a structured program of continuing education and networking opportunities.

The position is for a fixed term of three years. Further information on doctoral studies at Rey Juan Carlos University is available here: <https://www.urjc.es/eid> . Rey Juan Carlos University promotes equal opportunities and diversity in its employment relations.

The positions will be advertised until they have been successfully filled. You should therefore submit your application as soon as possible. Please send an application letter (outlining your motivation and what your skills will add to this project), updated CV (including certificates of completion of degrees and transcripts of marks) and, at least, one reference letter of a former supervisor. We accept only online applications at:

https://forms.office.com/Pages/ResponsePage.aspx?id=6sSEXw03nkuDDHVvi_G1Hy6UYpj0MSxKqS9k8TvYYaZUMTczVjhCRDNIRDZBUE5UQkMwVEtPN0M1Ny4u&lang=en

Applications are welcome until January 7, 2023. For any inquiries regarding the position, please contact Marta Beltrán (marta.beltran@urjc.es).