

**PhD Thesis Project Offer**  
*(valid during the calendar year 2025)*

**Provisional Title of the Doctoral Thesis**

Application of Artificial Intelligence to enhance urban resilience through virtual simulations

**Subject area\* / Research line**

Branch of Engineering and Architecture

**Summary of the Doctoral Thesis (maximum 300 words)**

The topic seeks the development of frameworks AI-based to strengthen urban resilience through virtual simulations (Urban Digital Twins / Metaverse)

**Is the development of this thesis associated with the execution of any research project? If so, provide details of the project (title, funding entity, and execution period)**

No

**Academic Profile of the Student (maximum 200 words)**

Candidates interested in the triad (urban) resilience – artificial intelligence – virtual simulations

**Contact: institutional email of the Supervisor**

Jose.diaz.sarachaga@urjc.es

**Institutional Website of the Supervisor**

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\*See the Subject Areas at <https://www.urjc.es/informacion-practica#oferta-proyectos-de-tesis>.  
Each project will be included in a single subject area.