

# Position Offered: UNIVERSITY GRADUATE

## Proyecto: *Digital twins in Heritage. Digital documentation and HBIM integrated methodologies*

**Ámbitos tecnológicos o científicos:** Digital Twins; Digital Humanities; others: HBIM, GIS

**Localización:** Granada, Andalusia, School of Arabic Studies, <https://www.eea.csic.es/>

**Grupo de Investigación / IP:** Laboratory of Archaeology and Architecture of the City, Luis José García Pulido

### RESUMEN DEL PROYECTO

The project addresses the integration of emerging technologies in the field of graphic documentation of Architectural and Archaeological Heritage, oriented both to research projects and architectural restoration projects. The aim is to implement a combined methodology of digitalization, analysis and monitoring of Historical Heritage to serve as a basis for its study, conservation and planned management, joining the different technologies and digital tools digital twins generation, with GIS and HBIM methodologies.

### PERFIL PROFESIONAL

#### Requisitos mínimos:

- Academic qualifications required: Architecture; degree in Architecture + Master's degree in Architecture.
- Specialised training in: (1) graphic and photogrammetric survey techniques of architectural heritage; (2) Geographic Information Systems; (3) Archaeology of Architecture.
- 3 years of accredited experience in graphic documentation works related to restoration and recovery of architectural and archaeological heritage.
- Accredited experience in: (1) fieldwork architectural survey data acquisition; (2) analysis and acquisition of historic archive documentation.
- Fluency in Spanish (level C1) and intermediate level of English (B1).

#### Méritos valorables:

(1) Specific training in Andalusian Heritage. (2) Coordinating role and participating experience in graphic documentation works in archaeological interventions. (3) Experience in: transfer activities in subjects directly related to the researches carried out in the EEA; dissemination activities in the educational and social field; organisation role in scientific dissemination events. (4) Scientific publications in subjects directly related to the researches carried out in the EEA.

### QUÉ SE OFRECE

The Laboratory of Archaeology and Architecture of the City (School of Arabic Studies, CSIC) carries out a relevant research work on Islamic Heritage through the implementation of numerous R+D+i projects and architectural restoration projects that have led to significant progress in both knowledge and conservation of this cultural legacy. This project includes an important training plan (min. 65 ECTS) in advanced technologies and digital tools for documentation and data management (graphic documentation, HBIM and GIS), allowing the implementation of an integrated methodology.

#### Condiciones de contrato:

Contrato indefinido de Titulado Superior asociado al Proyecto Momentum de 4 años de duración, de acuerdo a la Ley de la Ciencia española. Salario anual bruto (37.000 € - 41.000 €).

**Inicio del contrato: antes del 31 de diciembre de 2024**

### CONTACTO DEL INVESTIGADOR PRINCIPAL

E-mail: [luis.garcia@eea.csic.es](mailto:luis.garcia@eea.csic.es)

Teléfono: 958222291