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Architect and PhD in Architectural engineering, he is currently a research fellow and contract lecturer for the course in 'Technology for the Environment and Territory' at the Department of European and Mediterranean Cultures (DiCEM) of the University of Basilicata.

His focus on architectural heritage directs his interests in the field of innovations in/on architectural restoration, in particular on Smart Strategies for the conservation and monitoring of Cultural Heritage, for innovation in design processes and planned maintenance.

He is a member of the scientific committee of several international conferences and is responsible for specific research actions of one of the European poles for Digital Innovation in the field of Cultural Heritage.

### LIST OF PUBBLICATIONS in

- <https://www.researchgate.net/profile/Vito-Porcari>
- <https://orcid.org/0000-0001-7516-8105>
- [https://scholar.google.com/citations?hl=it&user=kzAuSWkAAAAJ&view\\_op=list\\_works&sortby=pubdate](https://scholar.google.com/citations?hl=it&user=kzAuSWkAAAAJ&view_op=list_works&sortby=pubdate)

## PHD LECTURES

### Titles:

“INNOVATIVE TOOLS AND PROCESSES OF KNOWLEDGE AND VALORIZATION OF CULTURAL HERITAGE. THE EXCELLENCE OF HYPOGEAN ARCHITECTURE” (2h)

“DECISION SUPPORT SYSTEM FOR CULTURAL HERITAGE ENHANCEMENT AND RECOVERY” (2h)

### ABSTRACT

For a wise and correct conservation of historic buildings, it is necessary to consciously define the impact of modern interventions in relation to delicate contexts and ecosystems such as, for example, underground architectures. There are many studies that show the need to address the recovery, re-functionalisation and infrastructural integration through an understanding of the urban environment and the opportunity to define a cultural orientation that allows for the re-inhabitation of this architectural heritage. In giving new life to structures, it is fundamental to respect modern needs without altering their consolidated character over time, with interventions linked to the original constructive, typological, functional and technological characteristics, but also to pay particular attention to the integration and sustainability of new interventions with a view to management, monitoring and planned maintenance also through decision support tools. This is the case of the reconversion of an urban context such as the Sassi of Matera, which currently presents the image of a contemporary Matera, European Capital of Culture 2019, deeply involved in sustainable management and maintenance, a ‘smart’ city, a symbol of restoration and historical heritage.

### KEYWORDS

Cultural heritage; Sassi of Matera; integrated recovery; Preventive maintenance, Intervention planning, Decision Support System.