



UNIVERSITÀ  
POLITECNICA  
DELLE MARCHE

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**PARTICIPATORY MODELS FOR  
PLANNING CULTURAL  
LANDSCAPES**

**Supervisor: Prof. Francesco Rotondo**

Department of Construction, Civil Engineering  
and Architecture (<https://dicea.univpm.it/en/>)



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## Supervisor: Prof. Francesco Rotondo

### Research Group Description

#### Prof. Francesco Rotondo (Professor of urban and landscape planning)

**Past job positions:** Associate professor of urban and landscape planning; researcher at the University of Liege, adjunct professor at University of Basilicata and Polytechnic of Bari, European PhD at the University of Pisa

**Research interests:** Urban regeneration; Town planning policies innovations; ICT tools to promote participation in urban and landscape planning; landscape planning.

**Teaching activity:** professor of urban planning; History of town planning in the ARCHITECTURAL ENGINEERING degree programme; co-tutor of Ph'D Thesis at the Free University of Amsterdam

**Research grants:** Management Committee Member in COST Action - CA18204 (2020-2024) - Management Committee Member in COST Action (MC Substitute) - Dynamics of placemaking and digitization in Europe's cities - <https://www.placemakingdynamics.eu/>; Local project coordinator VIVA\_EASTPART. -Valorisation and ImproVing of mAnagement of Small Historic Centres in the EASTern PARTnership region. Reference of the Call for Proposals: EuropeAid/129338/C/ACT/Multi / ENPI Eastern Partnership. Number of proposal: DCI-HUM/2010/135. Paesi Partner> Moldavia, Romania, Armenia. (January 2012 – January 2014).

#### Most recent publications:

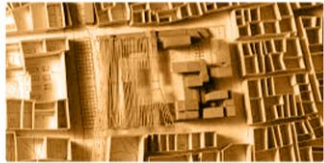
- Antonić B., Dimelli D., Rotondo F., Delgado Jiménez A., Economou A. (2023). Placemaking within urban planning: open spaces between regulations, design and digitalization. In: Smaniotto Costa C., Fathi M., García-Esparza J. A., Djukic A., Horan C., Rotondo F. (eds.) *Dynamics of Placemaking Volume 1. Placemaking in Practice – Experiences and Approaches from a Pan-European Perspective*. Brill, Leiden, The Netherlands, pp. 99-127. Hardback ISBN: 978-90-04-53510-7; E-book ISBN: 978-90-04-54238-9. DOI: 10.1163/9789004542389
- Marta Ducci, Ron Janssen, Gert-Jan Burgers & Francesco Rotondo (2023). Co-design workshops for cultural landscape planning, *Landscape Research*, 48:7, 900-916, DOI: 10.1080/01426397.2023.2204222 ([doi:10.1080/01426397.2023.2204222](https://doi.org/10.1080/01426397.2023.2204222))
- Ducci, M., Janssen, R., Burgers, G., & Rotondo, F. (2023). Mapping Local Perceptions for the Planning of Cultural Landscapes. *International Journal of E-Planning Research (IJEPR)*, 12(1), 1-27. <http://doi.org/10.4018/IJEPR.317378>
- Cariello, A., Ferorelli, R., & Rotondo, F. (2021). Tactical Urbanism in Italy: From Grassroots to Institutional Tool—Assessing Value of Public Space Experiments. *Sustainability*, 13, no. 20: 11482. Retrieved from <http://dx.doi.org/10.3390/su132011482>
- Rotondo F. (2016). The cultural heritage as a key for the development of cultural and territorial integrated plans. In Rotondo F., Selicato F, Marin V, Lopez Galdeano J (a cura di) *Cultural Territorial Systems. Landscape and Cultural Heritage as a Key to Sustainable and Local Development in Eastern Europe*. Springer International Publishing Switzerland, ISBN: 978-3-319-20752-0, doi:



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# Supervisor: Prof. Francesco Rotondo

## Research Group Description



**ARCHITECTURE**

SSD  
ICAR/14  
ICAR/21



**Hub for  
Heritage and Habitat**



### mission

the research group **focuses on** the following main areas:

- \_architectural design, urban planning and reuse, transformation and enhancement of built heritage in historical contexts;
- \_strategic visions and scenarios for the **regeneration of architectures**, cities, territories, **and** landscapes;
- \_territorial branding and smart cities **to foster resilience to climate change and other societal challenges**;
- \_recycle and circular economy strategies applied to **architecture, city and territory**.

### lab: FAB-HUB



is a new **manufacturing** and 3D printing laboratory for the creation of **architectural and urban** models and small structures in wood, metal and other materials. It supports the research and training activity of DICEA, offering itself as a point of excellence for the creation of innovation and the advancement of development in multiple design scales and fields: from architectural, technological, structural and industrial design **to** urban design. Innovative projects for **a realistic** reproduction of buildings, monuments **scanned** with laser, city skylines, objects and **architectural**, structural and technological details. **Students can** benefit from the lab equipment, creating their scale building models with different materials such as polymers, clay, wood, silicone, metal. **The available** technologies expand the possibilities of investigation and advancement **in this research field**.

### people



Prof. Gianluigi Mondaini  
Prof. Paolo Bonvini  
Prof.ssa. Maddalena Ferretti  
Prof. Francesco Rotondo  
Floriano Capponi  
Gianni Plescia



## Supervisor: Prof. Francesco Rotondo

### Project Idea

#### **Background**

Rural landscapes and inner areas are a fundamental part of the European territory and are generally recognized for their specific ecological, economic and cultural qualities.

Great importance is attached to identifying new strategies for protecting, conserving and developing these landscapes, which are often characterized by the coexistence of a fragile balance between natural resources, agricultural traditions and small urban settlements.

Citizen participation is among the most pressing demands in the international debate on heritage and landscape. Although documents such as the European Landscape Convention (ELC) promote the engagement of locals in defining landscape heritage values and identifying strategies for its protection, management and planning, observance of these principles is not widespread in practice.

#### **Aims**

The aim of this research work was to develop and evaluate a methodology that makes it possible to uncover local heritage perceptions and integrate them into a planning strategy in order to implement the ELC principles and foster widespread participation in the landscape planning practice.

The research work analyzes the numerous methods developed over the last sixty years by the scientific literature on the subject by integrating it with that relating to information systems ranging from Public Participation GIS (PPGIS) to the use of social media to the recent Volunteered Geographical Information (VGI), with the aim of identifying the most suitable technologies to be used in the different types of participatory planning processes.



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# The Department of Construction, Civil Engineering and Architecture

Director: Prof. Enrico Quagliarini

The Department of Construction, Civil Engineering and Architecture (DICEA) is among the mostly active departments of construction and civil engineering, as well as, architecture, in Italy, generating (*research*) and transferring (*training*) knowledge and value of the highest quality on such topics.

DICEA is arranged in 4 main sections: Architecture, Constructions, Infrastructures and Structures. DICEA was ranked first in 2017 among the best University departments of Italy (Department of Excellence) and awarded with a grant of 6,6 M€ in the period 2018-2022. In 2022 the DICEA was again ranked first and then awarded with a new Department of Excellence grant (about 6,5 M€) for the period 2023-2027.

DICEA brings together a wide range of disciplines, being leading contributor to the undergraduate programmes in civil and environmental engineering, building engineering, architectural engineering. DICEA also offers postgraduate programmes in civil, environmental, building engineering and architecture. In the last 5 years, DICEA gathered resources >16 M€ (about 900k€/y from the third mission), of which: 2 EU H2020, 2 EU Interreg, 1 EU Internal Security Fund, 1 EU LIFE, 3 EU Erasmus+ projects and 5 National projects of Relevant Interest.

Coherently with the current global challenges, DICEA has individuated 4 main development axes for the next 5 years: Heritage Science; Safety of structures, infrastructures and natural systems; Digital management of constructions and built environments; Climate change, and constructions and transportation sustainability.

<https://www.dicea.univpm.it/>

## AT A GLANCE



202  
1



240  
Publications

15 Scientific Area  
ICAR 01, ICAR 02, ICAR 04,  
ICAR 06, ICAR 08, ICAR 09,  
ICAR 10, ICAR 11, ICAR 14,  
ICAR 17, ICAR 18, ICAR 19,  
ICAR 21,  
MAT 05, IUS 07



72  
Staff

>3.270.000  
€ Research income



56 PhD, Post-doc,  
Research fellows

Teaching programs for FIRST CYCLE DEGREE  
(Building Engineering, Civil and Environmental Engineering),  
PROFESSIONAL DEGREE COURSE (Technics for Territorial  
Design and Management), MASTER DEGREE (Civil  
Engineering, Building Engineering, Environmental  
Engineering)  
& SINGLE CYCLE DEGREE (Building Engineering-Architecture)



9  
Research  
laboratori

Department of Excellence (from  
Italian National Agency for the  
Evaluation of Universities and  
Research Institutes)  
- 2018-2022  
- 2023- 2027



1 Digital Education Lab

