



## Chapter

*Case Studies of Building Pathology in Cultural Heritage*

Volume 7 of the series *Building Pathology and Rehabilitation* pp 133-162

Date: 24 April 2016

# Recovery and Enhancement of Modern Architectures: The Case of Cinema Ariston in Potenza (Italy)

- Antonella Guida
- , Ippolita Mecca
- , Silvia Michela Scavone

## Abstract

The architectural heritage of the modern is in addition with the historical and cultural heritage that are the “beauty” of Italy. The starting point of this research is to reuse an area of the historic city centre of Potenza and to recover an historical architecture abandoned: the Cinema Ariston. It is built in the 50s of 900s, and it is a significant example of modern concrete architecture in the town. The original function of cinema includes it in those buildings that have marked the history of the town and today cannot be deleted from the memories of all citizens and it should be enhanced as a central element for the renovation. An accurate metric and metric survey and a diagnostic investigation (including pachometer, sonic and ultrasonic tests) have been carried out to define the project. The results obtained were used to implement an analytical model for the study of the seismic vulnerability and to define the conservation interventions and structural rehabilitation. The recovery project includes also a new construction and proposes the recompletion of the existing, partially demolished, through new elements and modern materials. The policy adopted for conservation and the new intended use ensure a future for the Cinema Ariston and the urban space connected to it; the aim was to perpetuate social and historical memories of buildings that have no particular values for the preservation, but retain other important values to be transmit.

Support

## Keywords

Diagnostic Vulnerability Recovery Enhancement Integration

## References

- Acito L (1999) *Il Cinema-Teatro Duni di Matera. Un'architettura moderna da tutelare*, Libria, Melfi
- Bocca P, Cianfrone F (1983) *Le prove non distruttive sulle costruzioni: una metodologia combinata*. In: *L'industria Italiana del Cemento*, Rome
- Caniggia G, Maffei GL (1979) *Composizione Architettonica e Tipologia Edilizia. Lettura dell'Edilizia di base*, Marsilio Editori, Venice
- Del Monte E, Lavacchini G, Vignoli A (2004) *Modelli per la previsione della resistenza a compressione del calcestruzzo in opera*. *Ingegneria Sismica* n 3
- Di Leo A, Pascale G (1994) *Prove non distruttive nelle costruzioni in c.a.*. In: *Il Giornale delle Prove non Distruttive* n 4
- Dolce M, Moroni C (2005) *La valutazione della vulnerabilità e del rischio sismico degli edifici pubblici mediante le procedure VC (vulnerabilità c.a.) e VM (vulnerabilità muratura)*. In: *Atti di Dipartimento - vol. 4 (2005)*, Department of Structures, Geotechnical Engineering, and Applied Geology at the University of Basilicata, Potenza
- Gasparik J (1992) *Prove Non Distruttive nell'Edilizia. Quaderno Didattico AIPND*, Brescia
- Giachetti R, Bufarini S, D'Aria V (2005) *Il controllo strutturale degli edifici in cemento armato e muratura*. EPC Libri, Rome
- Masi A (2005) *La stima della resistenza del calcestruzzo in situ mediante prove distruttive e non distruttive*. In: *Il Giornale delle Prove non Distruttive Monitoraggio Diagnostica*
- RILEM, NDT 4 (1993) *Recommendations for in situ concrete strength determination by combined non-destructive methods*. *Compendium of RILEM Technical Recommendations*, E&FN Spon, London
- UNI EN 12504-4 (2005) *Prove sul calcestruzzo nelle strutture - Parte 4: Determinazione della velocità di propagazione degli impulsi ultrasonici*

## About this Chapter

### Title

Recovery and Enhancement of Modern Architectures: The Case of Cinema Ariston in Potenza (Italy)

### Book Title

*Case Studies of Building Pathology in Cultural Heritage*

### Pages

pp 133-162

### Copyright

2016

### DOI

10.1007/978-981-10-0639-5\_7

### Print ISBN

978-981-10-0638-8

### Online ISBN

978-981-10-0639-5

### Series Title

*Building Pathology and Rehabilitation*

### Series Volume

7

### Series ISSN

2194-9832

### Publisher

---

Springer Singapore

Copyright Holder

Springer Science+ Business Media Singapore

Additional Links

- [About this Book](#)

Topics

- [Building Materials](#)
- [Structural Materials](#)
- [Engineering Thermodynamics, Heat and Mass Transfer](#)
- [Cultural Heritage](#)

Keywords

- Diagnostic
- Vulnerability
- Recovery
- Enhancement
- Integration

Industry Sectors

- [Materials & Steel](#)
- [Electronics](#)
- [Aerospace](#)
- [Oil, Gas & Geosciences](#)
- [Engineering](#)

eBook Packages

- [Engineering](#)

Editors

- [João M.P.Q. Delgado](#) <sup>(4)</sup>

Editor Affiliations

- 4. Faculty of Engineering, University of Porto

Authors

- [Antonella Guida](#) <sup>(5)</sup>
- [Ippolita Mecca](#) <sup>(5)</sup>
- [Silvia Michela Scavone](#) <sup>(5)</sup>

Author Affiliations

- 5. Department of European and the Mediterranean Cultures, University of Basilicata, Via dell'Ateneo Lucano 10, 85100, Potenza, Italy

Support

Support