



IN SEARCH OF LIME

PORTFOLIO

ARCH. DANIELA RE

Table of Content



ABOUT ME
VISION / MISSION
EDUCATIONAL
BACKGROUND
ECOBUILDING PROJECTS
LIME TECHNIQUES
WORKSHOPS
EXPLORING THE CITY
CONTACTS

DANIELA RE

ARCHITECT

About me



I was born in Turin (Italy). I studied Architecture in Florence. I have been working in the environmental field since 2000, my career started in Florence. I moved to Rome, Naples, Salerno coming back finally to Turin. Since 2008, I have been self-employed in my architectural firm, ECOPROGETTO, working on the use of lime in construction, energy efficiency projects, and research of Italy's historical heritage. I teach in several postgraduate courses, I elaborate architectural itineraries in the city of Turin, I write in specialized magazines on topics related to bio architecture and energy saving.

DANIELA RE

ARCHITECT

About me



From 2006 to 2020, I was a member of the association "Rete solare per l'Autocostruzione" (Solar Network for Self-Building), which spread various techniques related to energy efficiency and green building in Italy using the do-it-yourself approach. From 2015 to 2020 I served as president of the association. Within the association I began researching natural materials such as lime and unfired earth, organizing hundreds of workshops, conferences and meetings throughout Italy. Since 2008, I have been using natural lime in my building and energy upgrading projects

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A short summary of my activities during last 25 years

100

WORKSHOPS

2000

PEOPLE INVOLVED

77

ARTICLES ON
MAGAZINE

+50

ECOBUILDING AND ENERGY
EFFICIENCY PROJECTS

31

TELEVISION RADIO
AND NEWSPAPER
INTERVIEWS

37

CONFERENCES



VISION

Working in the field of sustainable construction, the goal is to make energy conservation and natural materials the normal way of building. Technical design work must always be accompanied with a strong ecological commitment and professional ethics. Process knowledge in my practice always comes through practical experience and in-depth study.



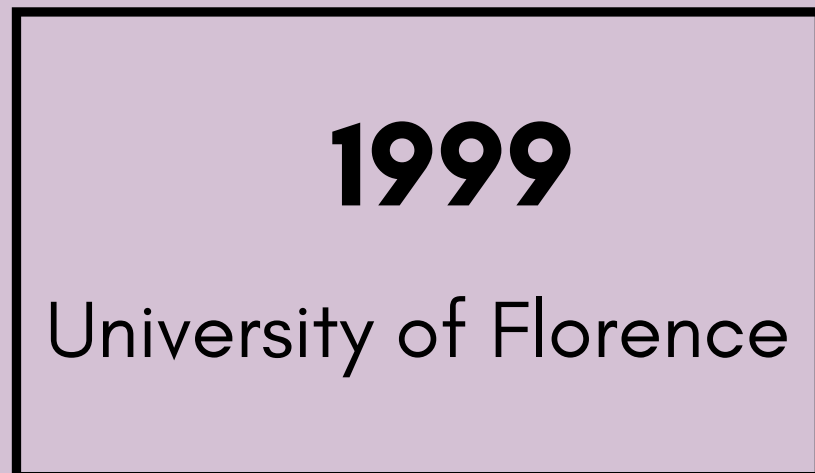
MISSION

To carry out sustainable projects: in terms of energy efficiency and green building. To spread knowledge about lime, an exceptional material used for millennia by man, and an element that is still relevant for today's buildings. To read and interpret our historic buildings from ancient materials and techniques.

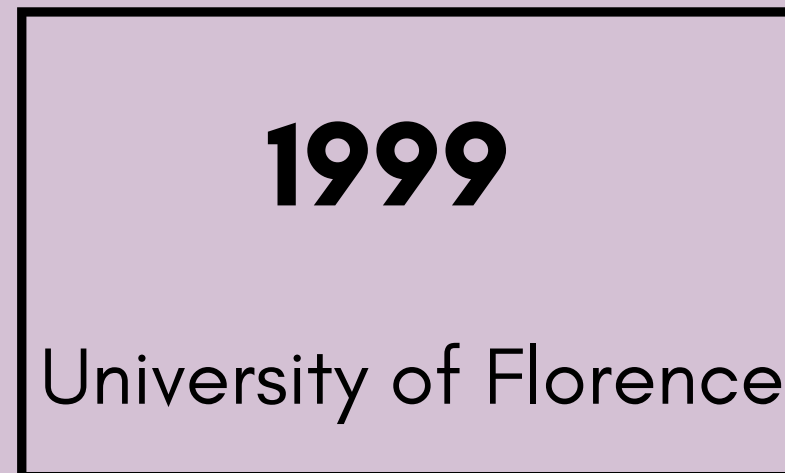


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Education Background



Bachelor of Architecture, University of Florence, with highest honors



Postgraduate diploma in environmental impact assessment



Various workshop, e.g. Tadelakt course in Marrakesh (Morocco), Japanese earth waterproof plasters in Cagliari, Earth plasters workshop in Crete (Greece)

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Ecobuilding projects



PROJECT 01

2012-2011 Renovation of a single house in Turin with solar panels, wood wool coat, rainwater recovery, cellulose fiber attic insulation, lime plasters and paints, tadelakt, eco-friendly paints



PROJECT 02:

2015-2017 Renovation of a typical alpine house in Pellice Valley, Piedmont, in green building: wood wool coat, lime and cocchiopesto plasters, tadelakt bathrooms

Ecobuilding projects



PROJECT 03

2014-2016 Comprehensive renovation of building in Turin for young migrants with insulation coat, photovoltaic system, heat pumps, flat roof and floor insulation, replacement of windows and doors



PROJECT 04:

2016-2017 Renovation of a typical country house in Piedmont with wood heating, radiant panel system, natural plastering using lime and cocchiopesto, thermal plastering

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Ecobuilding projects



PROJECT 05

2019 Renovation of a typical house in the Piedmont hills in Baldissero with wood-fired heating, lime and cocchiopesto damp-proofing plaster, insulation of the attic against the ground, plastering and lime paint

PROJECT 06

2019 Energy upgrading of a traditional house in the upper Val D'Ossola (Piedmont) with horizontal floor insulation, wood heating, solar panels, natural lime



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Ecobuilding projects



YEAR 2020-2023

Several projects of energy efficiency for single houses and a cohousing in Torino, Osasco, Montaldo, (Piedmont) with total renovation of buildings and plants



Ecobuilding projects

YEAR 2020-2023

Several projects of energy efficiency for single houses and a cohousing in Collegno, Moransengo, Turin (Piedmont) with total renovation of buildings and plants



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Líme técnicas

Some of the ancient lime-based techniques I use in my work and workshops, both for restoration and new construction



TADELAKT

Line based waterproof plaster, used in Morocco since Middle Age to line cisterns and hammams



Lime techniques



LIME PAINTING

The most ancient painting techniques of our cultural heritage

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Líme técnicas



COCCIOPESTO

Crushed bricks that combined with slaked lime give the mixture hydraulic properties and mechanical strength. Material used since the time of the Phoenicians



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Líma técnicas



GRAFFITO



EXTERNAL PLASTER



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Líme técnicas



ROMAN COCCIOPESTO PAVEMENT



VENETIAN PASTELLONE

Lime techniques



COCCIOPESTO WATERPROOF PLASTER

Used since late antiquity by phoenicians and romans to waterproof baths, aqueducts, cisterns, mixing lime sand and cocchiopesto

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Líme técnicas



**HEAT INSULATING PLASTER WITH LIME
AND HEMP**

Hearth techniques



HEARTH PLASTER AND FILLING

Made by mixing local hearth, straw and sand

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Hearth techniques



HEARTH OWEN

Made by mixing local hearth, straw and sand



Workshops

With my association I organized and taught in several practical workshops: Italian cultural associations, private citizens, public institutions have hosted courses in their spaces where we have made many techniques in lime and unfired earth



Workshops



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Workshops



Workshops

 Rete solare per l'autocostruzione





CORSO DI PAVIMENTO PASTELLONE

Un corso per imparare praticamente l'antica tecnica del pavimento in pastellone veneziano, composto da grassello e cocchiopesto. Durante il corso si prepareranno le miscele e si eseguirà la stesura e le protezioni. Il corso è aperto a tutti.

26/28 MAGGIO 2017

BADIA CALAVENA (VR)
Costo 165€ compresi i pranzi
Info e iscrizioni
corsi@autocostruionesolare.it
www.autocostruionesolare.it

 Rete solare per l'autocostruzione

29/30 giugno 2019
S. Marcello - Marche (I)

LABORATORIO DI AUTOCOSTRUZIONE DI UN FORNO IN TERRA CRUDA



WORKSHOP OF EARTH OWEN

June, 29/30th 2019

attività riservata ai soci, info corsi@autocostruionesolare.it

 [autocostruionesolare](http://www.autocostruionesolare.it)
www.autocostruionesolare.it

1 | 2 | 3 GIUGNO 2018

 **porchia**
montalto marche ap

corso di intonaco in COCCIOPESTO IMPERMEABILE con laboratorio pratico

facebook
blowupgrattammare
autocostruionesolare
casAbout - simona carlini architetto

<http://associazioneblowup.it/>
<https://autocostruionesolare.it/>

per info ed iscrizioni
SIMONA
3286717893 anche wapp
sim.carlini@gmail.com
DANIELA
3202593653
corsi@autocostruionesolare.it

Il corso si svolgerà in campagna, in un locale destinato a studio di architettura.

Il costo è di 162 euro compresi i pranzi di sabato e domenica + 10 euro di tessera Blow Up 2017-18 che dà la possibilità di entrare a tutte le iniziative promosse dall'associazione nell'anno in corso.

Il corso è aperto a tutti gli interessati, si richiede predisposizione alla manualità. Per partecipare è obbligatorio avere scarpe e guanti da lavoro.

Numero max partecipanti 12

 CASABOUT
architettura&co
simona carlini architetto

 **Blow Up**
Associazione Culturale
Laboratorio Solare Autocostruzione

 Rete solare per l'Autocostruzione

Workshops



23 | 24 | 25
marzo
2018

corso di
Intonaci a calce
e cocchiopesto



Corsi di Formazione
@Via Nettuno, 200 - Cisterna di Latina

14/15 Maggio
Intonaci in terra cruda
Docente Emanuele Cavallo

20/22 Maggio
Intonaci in tadelakt
Docente Daniela Re

24/26 Giugno
Intonaci di finitura a calce
Docente Danilo Dianti

Max 10 partecipanti.
È richiesta attitudine alla manualità.
Si rilascia attestato di partecipazione.
Iscrizioni: corsi@autocostruionesolare.it

Michela: 329.6966094 - Rama Energy
Via Nettuno, 304 - CISTERNA DI LATINA 04012
www.ramaenergy.it

Daniela: 320.2593653 - Rete Solare per l'Autocostruzione
Via Vittorangelii, 7 - REGGIO EMILIA 42100
www.autocostruionesolare.it



Workshop - terra cruda

9-10-11 dicembre & 16-17-18 dicembre

13-14-15 gennaio

Corso sugli intonaci:

- riconoscimento terre
- studio dei leganti (terra, terra-calce)
- scelta e valutazione degli inerti
- preparazione miscela di fondo e messa in opera
- metodi di applicazione su diverse superfici

Corso sulle finiture:

- preparazione miscela di rasatura e messa in opera
- preparazione miscela di finitura e messa in opera
- sperimentazione di diverse lavorazioni superficiali

arch. Antonio Salvatore
costo 90€
entrambi 165€

INTONACI

info e iscrizioni:
viagioberti31@gmail.com
320-0661942

<http://artband.net/architettura/workshop-architettura-naturale/>

DANIELA RE

Exploring the city



Guided tours in the city of Turin to discover nineteenth-century architecture and the materials - natural- used in its construction



CONTACTS



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