

Title:	<b>The Beauty of Architectural surfaces</b>   Niemals nur oberflächlich! <i>Zu Material, Technik und Ästhetik von Architekturoberfläche. Eine Einführung</i> <b>Case study: The Church of Saint Emidio, Rieti, Italy</b> Destroyed by the 2016 Amatrice Earthquake
Chair:	<b>Chair of Conservation-Restoration, Art Technology and Conservation Science</b> <b>Prof. Thomas Danzl, Arch. Dr. Roberta Fonti</b>
Language:	<b>English</b> <i>support (i.e. learning materials in English, individual review meetings in English)</i>
Study level:	<b>Bachelor</b>
Kick off:	18/10/2022
Meetings:	<b>Every Tuesday</b> , frontal lectures – Room, 0503.02.349 Main Campus <b>All week long</b> , Design Studio's space – Room, 4170A@0501 Main Campus
Interm. Reviews:	06/12; 31/01
Final Presentation:	<b>07/03</b>
ECTS:	Credits (9 ECTS)
Remarks:	<b>Excursion to Rome and Rieti (Italy), 13-17 December 2022</b> <b>Best works will be published upon the online platform MAXXI Forum:</b> <b><i>Idee per Amatrice. La cultura della ricostruzione, la ricostruzione della cultura</i></b>

# Case Study

The meaning of places  
Non-places

2016 Amatrice Earthquake  
Church of Saint Emidio



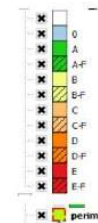
## The Church of Saint Emidio Poggio Vitellino - Rieti Italy





### The Church of Saint Emidio

After the largest shock of the Amatrice 2016 earthquake sequence



### The Church of Saint Emidio After the following Aftershocks



The Church of  
Saint Emidio





## Task 1

An overall design idea for the church of Saint Emidio

2016 Amatrice Earthquake  
Church of Saint Emidio



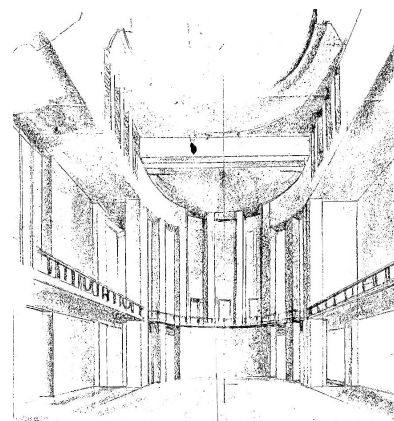
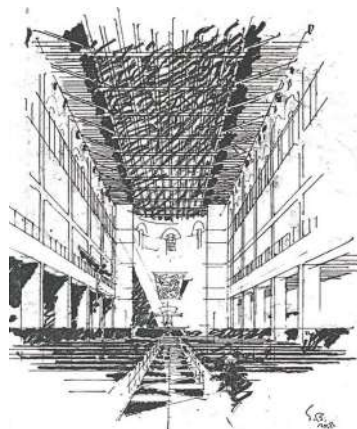
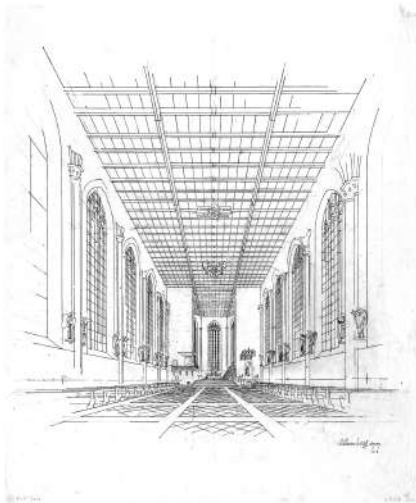
### Design Problem

# CALL FOR IDEAS

## for the reconstruction of the Church of Saint Emidio!

**“The beauty of a church - like that of any other building - lies in the perfect correspondence of each of its parts to its purpose and in the right proportions. The skill of the artist lies in creating this perfect correspondence and finding the right proportions.”**

**Giovanni Battista Costantini (1924)**  
*as the First Professor of Sacred Architecture at the University of Venice*



**Hans Döllgast - Sketches for the reconstruction of Kath. Pfarrkirche Maria Hilf and Basilika St. Bonifaz in Munich, years 1940s - 1960s**

**Marcello Piacentini - Sketches for the design of the church of Christ the King in Rome, years 1930s**

# Task 1

## An overall design idea for the church of Saint Emidio

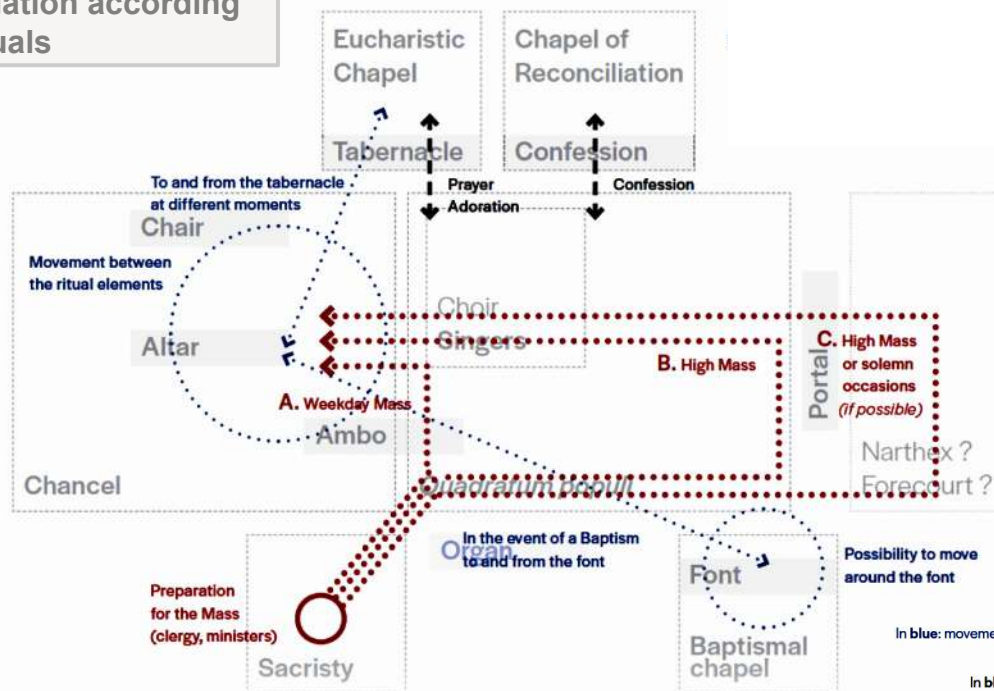
2016 Amatrice Earthquake  
Church of Saint Emidio



“Then, **architecture** is here intended to be a creative act that is putting **words of a specific ritual into practice**. And the ritual is meant to be a means to do things with these words. Words that are chained in such a way to create “**performative sentences**” written using the language of architecture.”

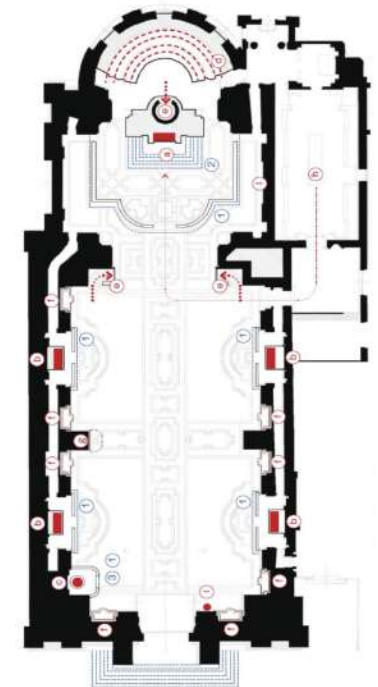
## Architecture as a Performative

circulation according to rituals



Putting words of a specific ritual into practice

Architecture



© Jacopo Benedetti



# Task 1 The use of Colours

## Design Problem



Church of Christ the king  
in Rome



## LITURGICAL COLORS



Cathedral of Cologne, New  
glass windows by G. Richter



Combined with the  
Liturgical Year



## Task 1

## The use of Light and perspective

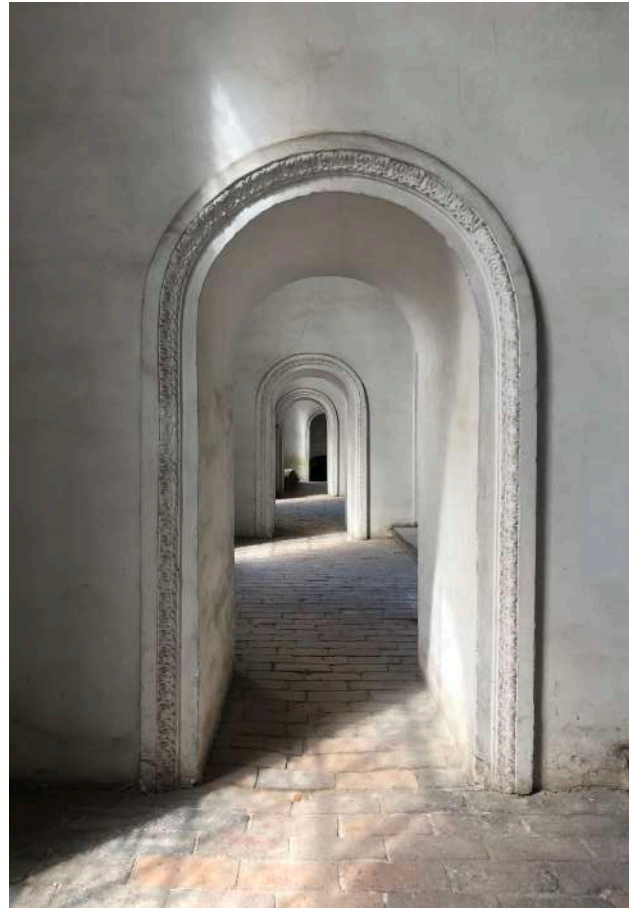
2016 Amatrice Earthquake  
Church of Saint Emidio



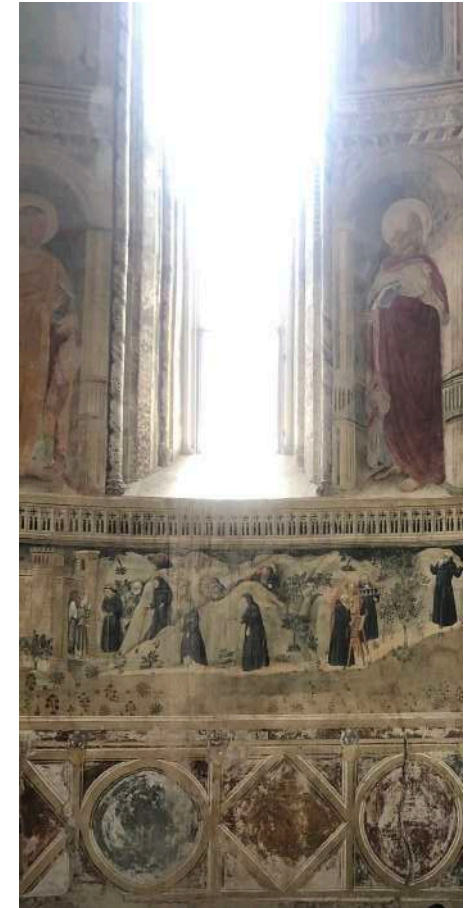
### Design Problem



Cathedral of  
Sermoneta



Jesuit Church of  
Lansut



Church of San Giovanni a  
Carbonara of Naples



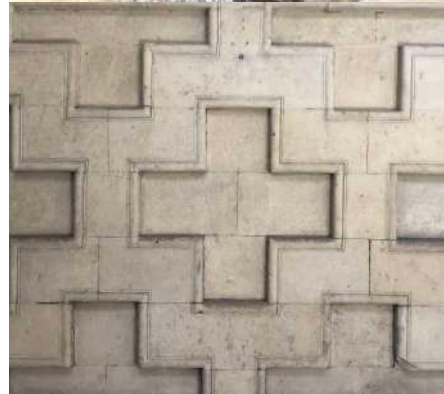
## Task 1

## The use of materials and polychromy

2016 Amatrice Earthquake  
Church of Saint Emidio



### Design Problem





## Task 2 The remains

### Design Problem



### Conservation Problem

WHAT TO DO?





## Task 2 The remains

Painting XVII-XVIII

St. Jerome in glory and Saints Laurence, Dominic and Anthony of Padua interceding for souls at Purgatory

BEFORE



AFTER



### Conservation Problem

### Restoration Techniques



Example of restoration  
by anastylosis and  
*tratteggio* after damages  
due to man-made actions

## Task 3

# The new chapels Eucharistic, Reconciliation, High Altar

2016 Amatrice Earthquake  
Church of Saint Emidio



## Design Problem

## Examples of designs



**Dominican Convent of Saint  
Marie de La Tourette**



**Basilika St. Bonifaz in  
Munich**

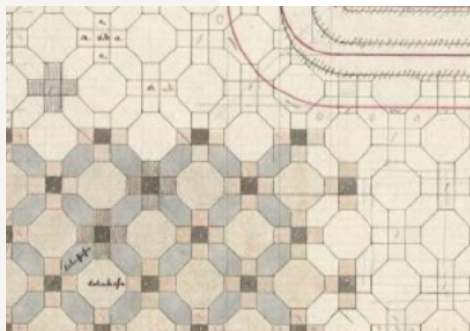
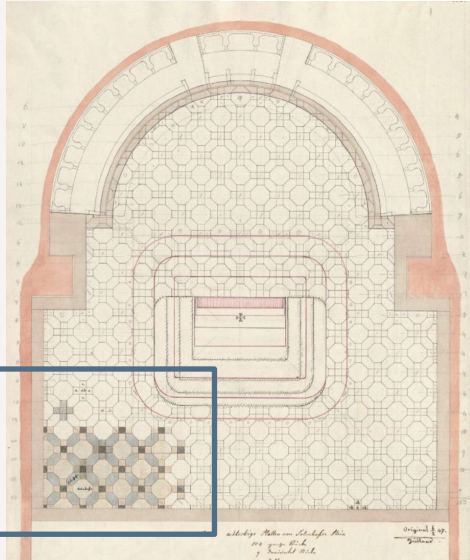
KINOLD, K., & STOCK, W. J. (2019). Schöpferische Wiederherstellung =  
Creative reconstruction : Hans Döllgast, Karljosef Schattner, Josef Wiedemann.



## Task 4

## Flooring and a new bell tower

### Design Problem

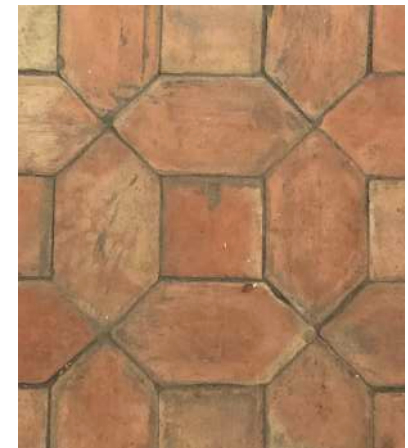


<https://bildsuche.digitale-sammlungen.de>

Georg Friedrich, Basilika St. Bonifaz  
Munich (1837 - 1848)



### Examples of Floors



## Task 5 The 14 stations

### Design Problem

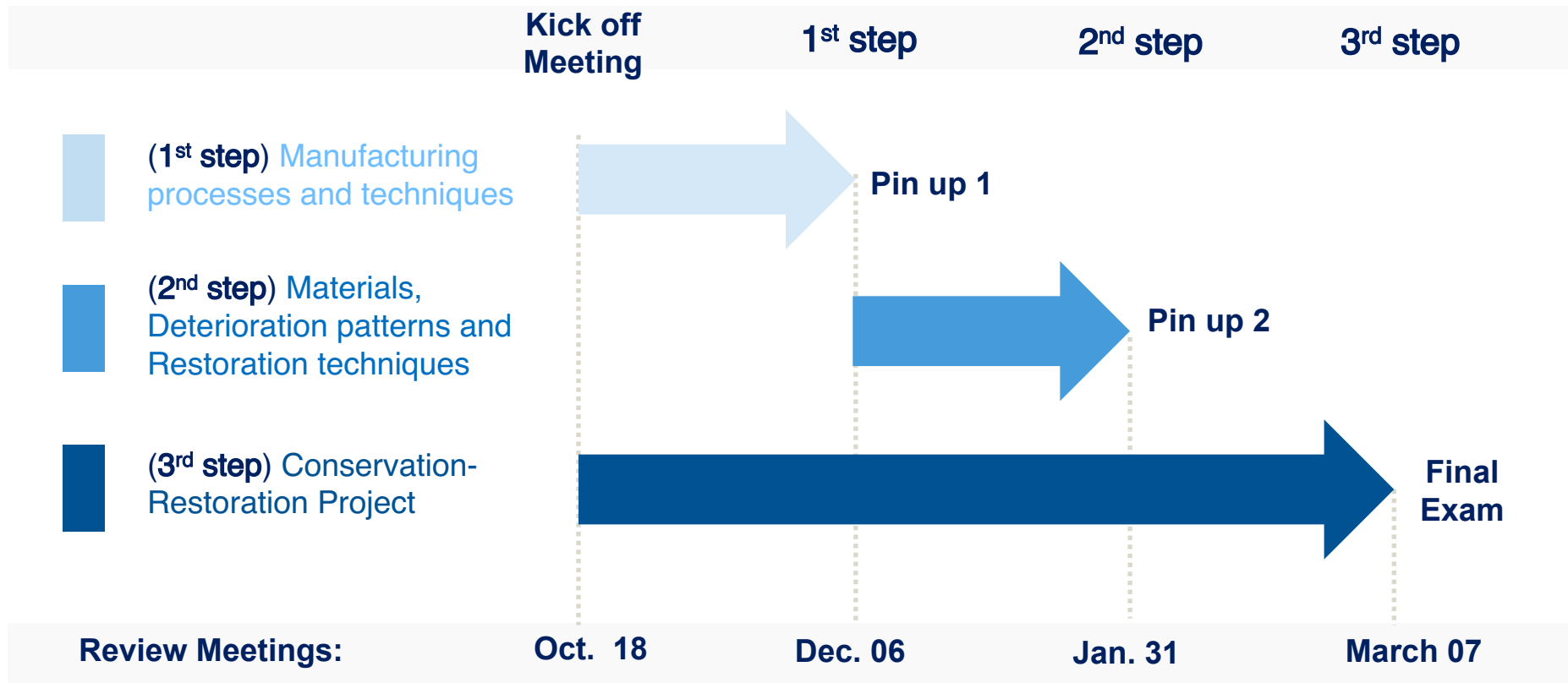
### Examples of stations



Alfredo Biagini (1930-40)  
following the design by  
Arch. Marcello Piacentini

Church of the Sacred Heart  
of Christ the King of Rome





## In collaboration with

**Prof. Gianmarco De Felice**, Chair of Structural Design at University of Rome *RomaTre*

**Diocese of Rieti**, Office for the Reconstruction

**The Associations - *Tutto un altro genere***, President V. Cavalletti & **Caritas**, Arch. G. Pericoli

## With the contribute of

**Barbara Brinkmann**, Professur für Entwerfen, Umbau und Denkmalpflege, TUM