

SCHEDULE

SUMMER SCHOOL in DALMINE

Conservation and Adaptive Reuse of Contemporary Heritage Sites

Organised by University of Bergamo and University of Enna Kore

20th - 24th JULY 2017

Summary:

The summer school introduces the most important principles of the Adaptive Reuse and Conservation tools and techniques. Students will get to know the theoretical background of conservation and how adaptive reuse is a tool to reverse process for heritage obsolescence. Adaptive reuse of heritage buildings does not only step up the maintenance of the structure and delay its decay, but it also helps the functioning building to get involved in the living context it lies within, unlike buildings that are deserted and disused.

The activities of the summer school will focus on the company town of Dalmine, an industrial settlement built in the early years of the last century, around the company Tubi Mannesmann manufacturer of steel tubes, and which in the period after World War I experienced a rapid and intense architectural and urban development that led to the foundation in 1927 of the new municipality of Dalmine, that unified three small existing villages. In this period, by a direct initiative of the company, now called Dalmine, and under the direction of the architect Giovanni Greppi, a number of infrastructures, residential quarters, public buildings and a whole set of interventions that will increasingly characterise a true industrial city, were realised.

The company also built and consolidated a dense plot of relationships with local institutions and the territory, through initiatives and interventions of a social, welfare, recreational nature, primarily aimed at its employees and their families.

In this sense, Dalmine is an emblematic example of how the articulate interactions between technical cultures, enterprise and territory have had an impact on both the landscape and the life conditions leaving us an important legacy from the modern industrialisation era, which demands to be adapted to the current need to be involved into contemporary and future life.

Scientific Committee:

Fulvio Adobati, Alessio Cardaci, Giulio Mirabella Roberti e Monica Resmini (University of Bergamo) - Antonella Versaci (University of Enna Kore) - Carolina Lussana, Mirella Valota e Stefano Capelli (Fondazione Dalmine) - Zsolt Vasáros (Budapest University of Technology and Economics) - Ahmed Nabih Elmenshawy (Higher Technological Institute) - Medhat Mahfouz (Higher Technological Institute) - Muhammad Eldaidamony (Knowledge Transfer Network in Egypt – KTN)

Organising Committee:

Alessio Cardaci - Giulio Mirabella Roberti - Antonella Versaci

Patronage

Città di Dalmine - Fondazione Dalmine – Ordine degli Architetti PPeC della Provincia di Bergamo – Ordine degli Ingegneri della Provincia di Bergamo

Jury members

Corrado Negrini (Municipality of Dalmine) - Carolina Lussana (Fondazione Dalmine) - Ahmed Nabih Elmenshawy (Higher Technological Institute) - Giulio Mirabella Roberti (University of Bergamo) – Monica Resmini (University of Bergamo)

Supervisors:

Muhammad Eldaidamony - Luca Renato Fauzia - Matteo Rigamonti.

Accepted students

Mahmoud Mostafa
Mahmoud Alhalawany
Mayar Youssef
Mirette Esmat
Mostafa Eldesouky
Olinda Rashwan
Omar Saad
Mariam Abdallah

Thursday, 20th July 2017

Venue: Department of Engineering and S.A., University of Bergamo - Viale Marconi, 5
24044 Dalmine (BG)

- 9:30 - 10:00** **Registration**
- 10:00 - 10:30** **Welcome to participants**
Greetings and introductory speech by
Prof. Alessio Cardaci, Summer School Director, University of Bergamo
Dott.ssa Lorella Alessio, Mayor of the city of Dalmine
Arch. Corrado Negrini, Assessor of the city of Dalmine
Dott. Paolo Battista Cavalieri, Assessor of the city of Dalmine
Prof. Valerio Re, Dean of Department of Engineering and S.A, University of Bergamo
Prof. Giulio Mirabella, Coordinator of the Course in Building Engineering, University of Bergamo
Prof. Antonella Versaci, Co-Scientific coordinator of the Summer School, University of Enna Kore
Dr Muhammad Eldaidamony, Founder of Knowledge Transfer Network in Egypt (KTN)
- 10:30 - 11:00** **Introduction to the workshop theme and short presentation of the case studies**
Giulio Mirabella Roberti, University of Bergamo
- 11:00 - 11:30** **Break**
- 11:30 - 12:30** **Lecture**
Adapt–Reuse–Preserve. Contemporary design and preservation
Lecturer: Antonella Versaci, University of Enna Kore
- 12:30 - 14:00** **Lunch break**
- 14: 00 - 15:00** **Lecture**
Dalmine: genesis and development of an industrial town
Lecturer: Fulvio Adobati, University of Bergamo
- 15:00 - 16:00** **Lecture**
Reasons for the preservation of modern architecture
Lecturer: Giulio Mirabella Roberti, University of Bergamo
- 16:00 - 18:00** **Site visit**

Friday, 21st July 2017

Meeting point: Department of Engineering and S.A., University of Bergamo - Viale Marconi, 5 24044 Dalmine (BG)

09:30 - 12:00 **Guided visit**

The company town of Dalmine

The urban settlement of Dalmine, built in the early years of the last century around the steel plant, lived a rapid and intense architectural and urban development between the 1920s and 1940s. In this period, by a direct initiative of the firm and under the direction of the architect Giovanni Greppi, a number of infrastructures, residential quarters, public buildings and a whole set of interventions that will growingly characterise a true industrial city, were realised. The company also builds and consolidates a dense plot of relationships with local institutions and the territory, through initiatives and interventions of a social, welfare, recreational nature, primarily aimed at its employees and their families. Interventions that are an integral part of a corporate welfare system whose architectural artefacts, material traces, are now the most visible sediment.

Mirella Valota and Stefano Capelli, Fondazione Dalmine

12:00 - 13:00 **Coffee break/Light lunch**

Transfer to the Department of Engineering and S.A., University of Bergamo - Viale Marconi, 5 24044 Dalmine (BG)

13:30 - 14:30 **Groups establishment (estimated 2-3 people in each working group) and workshop outcomes assignment**

14:30 - 17:30 **Field work: groups work on pre-concept**

Introduction

Photogrammetric and three-dimensional acquisition techniques with optical systems for the conservation and reuse of the Modern built Heritage

Lecturer: Luca Renato Fauzià, University of Enna Kore

17:30 - 18:30 **Pre-concept presentations and feedback**

Saturday, 22nd July 2017

Venue: Department of Engineering and S.A., University of Bergamo - Viale Marconi, 5
24044 Dalmine (BG)

- 9:00 - 10:00** **Adaptive reuse and conservation: case studies and didactical experience in Italy**
Lecturer: Matteo Rigamonti, Polytechnic University of Milan
- 10.00 - 13:30** **Field Work: group work on concept**
- 13:30 - 14:30** **Lunch break**
- 15:30 - 16:30** **Concept presentations and feedback**
- 16:30 - 18:30** **Field work: group work on design development**
- 18:30 - 19:00** **Quick presentations and feedback on design development**

Sunday, 23rd July 2017

- 07:00** **Meeting Point:** B&B Hotel - Via Autostrada, 2, 24126 Bergamo
- 07:30** **Departure to Venice**
- 11:30 - 13:00** **Arrival in Venice and guided visit to adapted sites**
Torre di Porta Nuova (F. Magnani architect), Arsenale of Venice;
Scuola Grande della Misericordia (A. Torsello architect)
- 13:00 - 14:30** **Lunch break**
- 14:30 - 17:00** **Visit**
Punta della Dogana Museum (Tadao Ando architect)
- 17:30** **Departure to Bergamo**

Monday, 24th July 2017

Venue: Department of Engineering and S.A., University of Bergamo - Viale Marconi, 5
24044 Dalmine (BG)

9:00 - 11:30 **Group work continues on concept development**

11:30 – 12:30 **Finalisation of the presentations under the supervisors and printing**

12:30 - 14:00 **Lunch break**

Venue: Fondazione Dalmine

14:30 - 15:30 **Final presentation of students**

15:30 - 16:00 **Jury evaluation and discussion**

16: 00 - 16:30 **Certificate ceremony**