

Conversion



Task

Technical University Dortmund
Faculty of Architecture and Civil Engineering
International Spring Academy
apl. Prof. Olaf Schmidt | apl. Prof. Michael Schwarz

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1. Introduction

As the local equivalent of the „International Summer Academy Venice“, which has been taking place for more than 30 years, the department of building theory at the Faculty of Architecture and Civil Engineering at the Technical University of Dortmund started the first „International Spring Academy Ruhr“ in 2013 and performed it together with the DAD Dipartimento di Architettura of the Politecnico di Torino, Prof. Dr. Silvia Malcovati.

The theme of the first academy was „Una Strada Orribile“ - the B1 in the center of Dortmund. During the following academies the subjects of urban planning and architectural studies were „The Wall“, „The Hellweg“, „Town squares“, „Modells for the northern town“, „Wastelands“ and „Increase of density“.

Because of these very successful events, further universities could be gained - the Faculty of Bouwkunde of the Universiteit Eindhoven, Prof. Christian Rapp, the FH Potsdam, Prof. Dr. Silvia Malcovati, and currently the Universita'degli Studi di Napoli Federico II, Prof. Federica Visconti / Prof. Renato Capozzi.

The workshops of the past seven years and the resulting enriching cooperation have led to the strengthening of existing partnerships and the acquisition of new ones, so that the 8th International Spring Academy can be held in 2020 as well.

The academy encourages cooperation between international architecture students and teachers. This offers young scientists the opportunity to acquire extensive knowledge of urban development, urban planning, architecture and architectural history of this particular European region during the workshop and to explore and analyze both the Ruhrgebiet as a whole as well as the city of Dortmund under certain urban planning and architectural aspects.

The teaching workshop is carried out jointly by all participating universities. The students are supervised in international teams by the teachers of the involved departments.

For students as well as for the participating teachers, the joint work and exchange of ideas with students and colleagues from other European universities is an extraordinary learning and teaching experience.

An integral part of the program is a symposium with a series of lectures and podium discussions. Numerous speakers from science, politics, culture, architecture and urban planning will be invited to attend. An excursion confronts the students with the built environment and provides input for the scientific work.

In terms of content, the Spring Academy 2020 under the title „Conversion“ aims to provide students with a sustainable reflection on the built environment in general, the built, as well as undeveloped, sometimes extremely heterogeneous „city body“ and the options and risks of updating and continuing construction and redefinition in particular. Especially the location of the planning area near to the city center as well as the structural and spatial structures in connection with the typological, sociological and infrastructural change processes offer an excellent opportunity to move from the example to generally transformable conclusions. The detailed processing, the design for the specific district, for the individual place is reserved for the local particularity. In addition, an ongoing discourse on the architectural-urban design in the variety of approaches and methods as well as the didactics derived from it at the universities is to be established between the participants.

The different emphasis on the appropriateness and compatibility of the new projects to the existing context from the point of view of the participating universities offers an essential field of research for the Spring Academy in Dortmund. Another focus will be on the comparative analysis and evaluation of different forms of architectural design and their technical mediation by the participating European universities.

The International Spring Academy is performed in English, but also in German, Dutch and Italian.

The results of the Academy will be published in a publication.

The internationality and extraordinary offer of the TU Dortmund University are made public throughout Europe by these events.

The networks and contacts that emerge from these events for the next generation of scientists influence career paths sustainably.

International Spring Academy
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2. Conversion

An industrial area, an inaccessible space in the memory of the city, a kind of terra incognita, will be transformed in the near future.

In recent years, the term “Conversion” predominantly means changes of military areas mostly located on the outskirts of the city. The focus of this year’s International Spring Academy with the same title “Conversion” lies, in contrast, on a whole industrial area next to the city center, in a really urban situation.

Insofar, the subsequent or new use of military areas is a phenomenon that is typical for almost all of Germany, representing a regular reason for urban-architectural investigations and implementations, the comparable task for large areas of industrial pre-use is typically located in industrial regions – inso- far an international, a european phenomenon. With the same international bases and prerequisites, natural resources and techniques as well as processes and technologies and their - logically following - architectural form, they are causally less contextualized than other districts, other neighborhoods of the cities. Rather, they can be read as purposeful, self-referential and logistical and process-related places.

Are they part of the city? Have they been part of the city? Can they become neighbourhoods of the city by simply removing the physical and factual boundaries? Should they not be rethought, reconceived or redesigned?

If we note this, we ask for a mimetic embedding of newly acquired areas in the surrounding city, after - possibly partial - reuse of the existing substance or for a new solitary world? Do we ask for an interpretation, a synthesis of both approaches, which in turn searches for a specific identity and its design, or for an assimilating continuation of the findable qualities of the neighborhoods?

The concretization of this generally accepted task is carried out in the middle of Dortmund, a few hundred meters from the heart of the city. The site of the former “Hoesch-Spundwandwerke” with a, for the region of the Ruhr area typical and in the literal sense authoritative montan-industrial use is the subject of the International Spring Academy 2020.

In the previous spring academies, the topics „Die B1“, „Der Wall“, „Der Hellweg“, „Stadtplätze“, „Nordstadt-Modelle“, „Stadt-Brachen“ and „Nachverdichtung“ were the subjects of urban planning and architectural studies. In the workshop, the teams of international students made their own proposals, their own conceptual designs for possible interventions. This 8th academy now is dedicated to an area of the city, which is in close proximity, vis-a-vis the Union Quarter, its “Gründer-Zeit” block structure and reshaped edges.

Based on the analytical examination of the study area, which surrounds the actual planning area, it is important to find answers to these universally formulated questions in the context of the International Spring Academy 2020 and to respond in an appropriate urban planning and architectural manner.

The specific location is separated from the inner city in the west and from the formerly independent district Dorstfeld in the east by traffic routes of different dimension and altitude. These facts form as important boundary conditions as the „landscape space“ of the Ruhr area following in the northern part. The “Rheinische Strasse” and the neighbourhoods in the south, with their current character and expression, have to be included in the appraisal as well as in the formulation of responses, for redeveloping a new urban and dense city on the old industrial site.

3. Workshop

Intervention / Reaction

3 - 4 students from different universities form a group that jointly develops an urban planning and architectural concept for the designated planning area. The draft should be presented in the form of before-after investigations.

The quality of the design idea is proved by

- Black plan, S 1: 5000/ 1:2000/ 1:1000
- Site plan, S 1:1000/ 1:500
- Isometry S 1: 500
- Sections S 1: 500/ 1:200
- further partial sections according to concept

An analysis, especially in the abstract formulation as a reference, should form the basis for the conceptual design.

The form of the before-after should support the creative search for concepts:

The aim is to develop a vibrant urban district with an appropriate urban density and an urban mixed use, which of course creates the urban transition to the adjoining historic residential areas and at the same time reacts structurally appropriately to the transitions to adjacent rooms.



8. International Spring Academy 2020
Task

Program of the Workshop

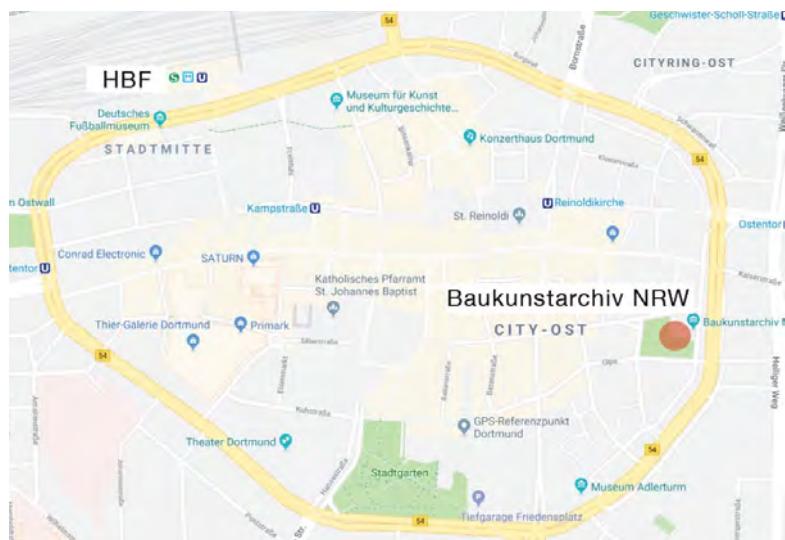
Monday	24.02.2020	Launch event 09:30 h Greeting 11.00 h Presentations 12.30 h Lunch 14:00 h Presentations 18:00 h Aperó
Tuesday	25.02.2020	08:30 h Organisation, Groups 09:30 h Work in the seminar
Wednesday	26.02.2020	08:30 h Work in the seminar
Thursday	27.02.2020	08:30 h Work in the seminar 15:00 h Inbetween critic 18:15 h Lecture Prof. Neumeyer 20:00 h Apéro
Friday	28.02.2020	07:00 h Excursion
Saturday	29.02.2020	08:30 h Work in the seminar
Sunday	01.03.2020	08:30 h Work in the seminar
Monday	02.03.2020	08:30 h Work in the seminar
Tuesday	03.03.2020	08:30 h Work in the seminar
Wednesday	04.03.2020	09:00 h Preparation presentation 11:00 h Final critic 14:00 h End of the Workshop

Venue of the Workshop

Baukunstarchiv NRW

Ostwall 7

44135 Dortmund



Organization of the Workshop

Organizer

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Dipl.-Ing. Arch. Michaela Mensing-Schmidt

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Participating Universities

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University of Applied Sciences Potsdam

Prof. Dr. Silvia Malcovati

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Università degli Studi di Napoli Federico II

Prof. Federica Visconti

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Further contacts

TU Dortmund

Research Assistant:

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Useful hints

Drawing supplies in Dortmund

idee, Creativmarkt
Westenhellweg 91, 44137 Dortmund
<http://www.idee-shop.de/shop/de/Filialen/Dortmund>

TU Dortmund, Faculty of Architecture and Civil Engineering
Student Council Architecture, Campus South
August-Schmidt-Straße 8, 44227 Dortmund
GB II, Groundfloor

Copy in Dortmund

TU Dortmund, Faculty of Architecture and Civil Engineering
Student Council Architecture, Campus South
August-Schmidt-Straße 8, 44227 Dortmund, GBII, Penthouse

Copy Shop, TU Dortmund, AStA, Campus Nord
Emil-Figge-Straße 50, 44221 Dortmund
<http://www.astas.dortmund.de/kontakt/>

Unser Kopierladen
Pro Büro & Kopier / Uni-Center, Campus Nord
Vogelpothsweg 74, 44227 Dortmund

Pro Büro & Kopier GmbH
Lindemannstraße 50, 44139 Dortmund
<http://www.probuero-gmbh.de/standorte/shopList/Dortmund>

Copier Center
Schwanenwall 8, 44135 Dortmund
<http://www.copiercenter-dortmund.de>

Libraries in Dortmund

TU Dortmund Bereichsbibliothek
Architecture and Civil Engineering, Campus South
August-Schmidt-Str. 6, 44227 Dortmund
Geschossbau I, Room 201

TU Dortmund, Central library, Campus North
Vogelpothsweg 76, 44227 Dortmund

City and State Library
Max-von-der-Grün-Platz 1-3, 44137 Dortmund

Refectories of the TU Dortmund

TU Dortmund, Main refectory
Campus Nord, Vogelpothsweg 85, 44227 Dortmund

TU Dortmund, Refectory South and Archeteria
Campus Süd, August-Schmidt-Straße 2, 44227 Dortmund

[http://www.tu-dortmund.de/uni/Uni/Campusleben/
die_Menschen/index.html](http://www.tu-dortmund.de/uni/Uni/Campusleben/die_Menschen/index.html)

4. Sources of information

Literature

on urban planning:

The History of the City

Benevolo, Leonardo

MIT Press Cambridge

ISBN: 978-0262021463

Die Stadt im 20. Jahrhundert

Visionen, Entwürfe, Gebautes

Lampugnani, Vittorio Magnago

ISBN 978-3-8031-3633-6

Erwin Gutkind

1886-1968

Architektur als Stadtraumkunst

ISBN:3-7643-2689-1

Stadtraum

Krier, Rob

Karl Krämer Verlag

ISBN: 9783937954059

Collage City

Rowe Collin / Koetter, Fred

Birkhäuser

ISBN: 978-0262680424

Der Städtebau nach seinen künstlerischen Grundsätzen

Sitte, Camillo

Birkhäuser

ISBN: 978-3764366926

Die Thematisierung der Architektur

Ungers, Oswald Mathias

DVA

ISBN: 9783721206982

TU Dortmund

International Spring Academy

Die Architektur der Stadt: Skizzen zu einer grundlegenden Theorie des
Urbanen
Bauwelt Fundamente, Band 41
Aldo Rossi
ISBN: 3035600449

about Dortmund:

Großstadt Gestalten. Stadtbaumeister an Rhein und Ruhr
Jager, Markus; Sonne, Wolfgang
DOM publishers
ISBN: 978-3-86922-536-4

Architektenführer Dortmund
Wörner, Norbert ; Magoley, Hans
Ruhfus, 1984
ISBN: 9783793250128

Neue Stadtbaukunst Dortmund
Delfs, Wilhelm
1.Auflage 1928/ 2.Auflage 2000
ISBN: 3875191617

Die goldenen 1920er Jahre
Bauten der Weimarer Republik in Dortmund
Peter Kroos und der Bund Deutscher Architekten
ISBN: 978-3-86206-223-2

Die Geschichte der Stadt Dortmund
Stadtarchiv Dortmund
Harenberg Verlag
ISBN: 3-611-00397-2

Dortmund so wie es war
Schilp, Thomas ; Zupancic, Andrea
Droste Verlag
ISBN: 9783770014248

Literature

about Dortmund:

Architektur der 1960er und 70er Jahre
Qualitäten einer ungeliebten Baukunst in Dortmund
Kroos Peter, BDA Dortmund
ISBN: 978-3837501278

Erinnerungen an Dortmund, 1920 - 1945
Neuhoff Karl
Krüger Verlag Dortmund
ASIN: B002OL966C

Dortmund, Bilder und Worte über Sein und Werden der Stadt
Strobel, Hans
Verlag Krüger
Antiquariat von 1920

Wohnen im Revier, 99 Beispiele aus Dortmund
Franziska Bollerey und Christina Hartmann
ISBN: 3-7879-00837

Internet

http://www.dortmund.de/de/leben_in_dortmund/stadtportraet/stadtgeschichte/startseite_stg/index.html

<http://www.lokalkompass.de/dortmund-city/politik/dortmunder-haben-viele-ideen-fuer-ihre-city-2030-d401090.html>

<http://www.luftbilder.geoportal.ruhr/>

<http://www.metropoleruhr.de>

<http://www.nrw-architekturdatenbank.tu-dortmund.de/kontakt.html>

<http://www.staedteregion-ruhr-2030.de/cms/index.php>

<http://www.ruhrnachrichten.de/staedte/dortmund/44137-Dortmund~bilder/cme176740,5247853>

<http://architekturmuseum.ub.tu-berlin.de/index.php?p=79&Daten=150194>

5. Attachment

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All documents provided may only be used within the framework of the „International Spring Academy Ruhr 2020“.

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Notes

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