A walk through the research paths of the Department of Architecture of Florence

DIDA RESEARCH WEEK BOOK 2018
In February 2018, the Department of Architecture of the University of Florence (DIDA) promoted an open and public analysis and evaluation of the research carried out by the Department during its first five years of existence in order to define its strategy, the relationship with third and second cycle education, the role of experimental research and the DIDA-LABS laboratory system, as well as of research units and inter-university research centers.

The objective of the DIDA Research Week, through the documentation, communication and evaluation of the activities carried out by the Department in national and international research projects or in individual or exploratory projects, is an analysis and an in-depth reflection on the research activities at all levels carried out during the first five years of the Department: a wide and transparent reflection which communicates what the research carried out by DIDA is in all its different forms, calling the most qualified colleagues in Florence, Italy and abroad to discuss and to evaluate it and to contribute to the identification of future goals, strategies and actions.

The transparency strategy in scientific communication developed by the Department plays a central role not only concerning the dissemination of knowledge but above all for the effective evaluation by the entire scientific community, certainly more effective than the current assessment procedures. The increasingly international dimension of research and education requires the maximum possible transparency and accessibility of research results.

The Department’s commitment to supporting scientific journals, the DIDAPress publishing, the Communication Laboratory and the first DIDA Research Week itself aims to meet this need.
INTRO

DIDA Research Week. Overview of DIDA research environment from 2013 up to 2018
Saverio Mecca

DIDA RESEARCH STRATEGY | A general view

Projects and relations between fields of knowledge
Giuseppe Lotti

Towards an innovative doctorate
Giuseppe De Luca

Didalabs. Clusters and applied research
Giorgio Verdiani

Understanding research through communication. Concept, methodologies and tools of DRW
Susanna Cerri

Setting Connections. Inter-university Centres
Roberto Bologna, Paola Gallo

DIDA RESEARCH MAP | 2013-2018

DIDA Research Systems

Inter-university centres ABITA_CIST_TESIS
ABITA
TESIS

Laboratories

A&P - Architecture & Project cluster
Architecture and Auto-construction | LAA
Prato Laboratory | Laboratorioprato
Technologies for the Mediterranean Area Laboratory | TAM Lab
Theatre | Architecture Laboratory | TEARC Lab
Urban Design Laboratory | UD

AHCV - Architectural Heritage Conservation and Valorisation cluster
Architectural Heritage Restoration and Conservation | LARC
Architectural Survey Laboratory | LRA architecturalsurveylab
Cultural Heritage Management Laboratory | CHM_Lab
Heritage City Laboratory | Heritage City_Lab
Materials and Structures Testing Laboratory | LPMS
### DSI - Design and Sustainable Innovation cluster

- Communication Laboratory | didacommunicationlab
- Design for Kids
- Italian Design for the train | DIT lab
- Ergonomics & Design Laboratory | LED
- Modelling Laboratory for Design | LMD lab
- Multimedia Architecture Interaction Laboratory | mailab
- Reverse Engineering Interaction design | Rei Lab
- Sustainable Design Laboratory | sustainabilitylab

### ICT - Information Communication Technologies cluster

- Informatic Laboratory of Architecture | informaticlab – LiA
- Cartography Laboratory | LCart
- Photography Laboratory | LfA
- Architectural Model Laboratory | LMA
- Architecture Video Laboratory | VI.D.A. lab

### TEL - Territories, Ecosystems and Landscapes cluster

- Critical Planning & Design
- Laboratory of Sociological Research on Design, Architecture and Planning | LabSo
- Landscape Design Lab
- Laboratory of Ecological Design of Settlements | LaPEI
- Plans and Projects for the City and the Territory | PPCT
- Regional Design Lab

### PhD Programs

- Architectural and Environmental Survey and Representation
- Design
- History of Architecture and the City
- Landscape Architecture
- Technology of Architecture
- Urban and Regional Planning and Design

### Research Units

- Cities and Regions Across Local Boundaries | A.VAST Area Vasta
- Communities RESilience | CORE
- Documentation and Management of Small Historical Settlements | DM_SHS
- Exploring Landscape Architecture | ELA.eu.med.
- Florence Accessibility Lab | FAL
- Heritage and Euro-Mediterranean Design | Dar_Med
- International Group on Urban and Architecture Design | INTEGRO_UAD
- Landscape, Cultural Heritage. Project | PPCP
- Local and Indigenous Knowledge Systems and Innovation | INN-LINK-S
- Projects on Environment, Cities and Territories in the South | PROJECTS
- Urban Bioregion Project | PROBIUR
- Sustainable Urban Projects & Research | SUP6R
- Technology for the Project | TxP_R
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The Culture of Urban Design
Triennial research, 2013_2015

Cultura del Progetto Urbano – Culture of Urban Design is the title of an Academic Research carried out during the 2013/2015 three-year period that, building on and developing previous researches, investigates the relationship between some of the main urban systems (settlement systems, mobility systems, naturalistic systems) and inhabited environment, with the purpose of figuring and outlining visions and strategies for the contemporary city in its many aspects, and of building new possible scenarios for the community. The Research is developed through specific thematic channels, defined by three main binomial terms, complementary and interdependent:

ARCHITECTURE AND CITY - includes themes concerning the identification of new architectural functional and semantic categories in relationship with the environment.
Keywords: contamination, hybridisation, urban fabric, emergence.

NATURE AND CITY - includes themes concerning natural systems at different scales in relationship with the city and its territory.
Keywords: ecological culture, sustainability, natural and artificial ecosystem.

INFRASTRUCTURE AND CITY - includes themes concerning the role of infrastructure in urban renewal, starting from the assumption that these may generate new urban realities for the contemporary city and trigger new strategic urban forms.
Keywords: innovation, speed, continuity, fluidity, rhythm, dynamism.

The research has been carried out in specific contexts through Protocol agreements, Program agreements, Agreements and Research grants signed in partnership with private and public Institutions.
Projects have been elaborated through design laboratories, thematic seminars, workshops and theses. It has been disseminated through conferences, exhibitions and publications.

ARCHITECTURE AND CITY
Publications
Conferences
Exhibitions

Labs
Workshop
Workshop Overseas Summer School, Tongji University - Università di Firenze A.A. 2012-2013.
Thesis
16 Thesis produced by:
Corso di Laurea Magistrale a ciclo unico in Architettura - Corso di Laurea Specialistico Biennale in Architettura - Corso di Laurea Triennale in Scienze dell’Architettura.
NATURE AND CITY

Publications

Conferences
A. Capestro, *ALTRARNO. Un fiume di opportunità per Firenze*. “Cen- tro, progetti e strategie di rigenerazione per il centro storico di Firen- ze” Palagio di Parte Guelfa, Firenze 2013.


Conferences


Thematic seminars

Project

INFRASTRUCTURE AND CITY

Publications
Capestro A. 2014, *Da infrastruttura a città, esperienze a Bologna, Fi- renze, Genova, Glasgow, Livorno, Milano, Pisa, Prato, Shenzhen*, «AA. VV. La freccia del tempo. Ricerche e progetti di architettura delle in- frastrutture».


Conferences


Exhibitions

Thematic seminars
Da infrastruttura a Città_Proposte di rigenerazione urbana per le aree ex ferroviarie di Pontassieve. A.A. 20012/2013.

Research

Project

Thesis
16 Thesis produced by:
Corso di Laurea Magistrale a ciclo unico in Architettura | Corso di Lau- rea Specialistico Biennale in Architettura | Corso di Laurea Triennale in Scienze dell’Architettura.

25 Thesis produced by:
Corso di Laurea Magistrale a ciclo unico in Architettura | Corso di Lau- rea Specialistico Biennale in Architettura | Corso di Laurea Triennale in Scienze dell’Architettura.
DIDA, the Department of Architecture of the University of Florence, performed an open and public analysis and evaluation of the scientific research carried out during the first five years of activity since its establishment, in order to define its research strategies, their relationship with the 2nd and 3rd cycle education, the role of experimental research and the system of labs at DIDA (DIDALABS), as well as the role of research units and interuniversity research centers.

The aim of the DIDA Research Week Book 2018 is to communicate the results of such research, in all the aspects which were carried out at DIDA during its first five years of activity.