

INNOVATIVE RESEARCH FOR THE DIGITAL CHALLENGE

5th FERRARA INTERNATIONAL PHD WORKSHOP 2019 EDITION*

IDAUP - International Doctorate in Architecture and Urban Planning

ROBERTO DI GIULIO, IDAUP Programme Coordinator
THEO ZAFFAGNINI, DA PhD Programme Supervisor, DA Deputy Vice-coordinator

*SCIENTIFIC WS COORDINATOR: THEO ZAFFAGNINI
ORGANIZATION: L. BOFFI, I. FABBRI, L. GARCÍA, M. SUPPA, V. VONA

11/03 - MONDAY DA, Sala del Consiglio

9:00 REGISTRATION

9:30 **5TH INTERNATIONAL WORKSHOP IDAUP OPENING: presentation and aims of doctoral training through multidisciplinary seminars**

10:30 **XXXIV CYCLE PHD CANDIDATES SELF-INTRODUCTION AND ONGOING RESEARCH ACTIVITIES PRESENTATION**

12:00 **MEETING WITH THE PHD CANDIDATES DA CO-SUPERVISORS**

14:30 **ENERGY EFFICIENCY AND ENVIRONMENTAL SUSTAINABILITY SCENARIOS: from Intervention on the historic heritage to innovative solutions for the living future. Research methodologies, case-studies application, experimental activities**

Round Table Discussants:

PIETROMARIA DAVOLI *PhD* Department of Architecture, University of Ferrara

GIOVANNI ZANNONI *PhD* Department of Architecture, University of Ferrara

Lecturers:

PAOLA BOARIN* *PhD* Department of Architecture, University of Ferrara

MARTA CALZOLARI *PhD* Department of Architecture, University of Ferrara

VALENTINA FRIGHI *PhD* Candidate IDAUP XXXII Cycle, University of Ferrara

*Web conference

12/03 - TUESDAY DA, Sala del consiglio / Transfer to TeckneHub

9:00 **THE "HELLO" PROJECT, MARIE SKŁODOWSKA-CURIE, HORIZON2020: warning signs and project development**

Lecturer:

LUISA MARIA DIAS PEREIRA* *PhD*, Unife Research Fellow / University of Coimbra

10:30 **THE PLANNING LABS: EURAC research**

Lecturer:

ELENA LUCCHI* *PhD*, Senior Researcher, Istituto per le Energie Rinnovabili

11:45 **P.1: INTRODUCING REFURBISHMENT IN THE UAE. UPGRADING BUILDINGS PERFORMANCES TO IMPROVE THE URBAN ENVIRONMENT**
P.2: THE KNOW HOWSE SOLAR DECATHLON MIDDLE EAST 2018 DUBAI

Lecturer:

VITTORINO VELPOLITI* *PhD*, Architectural Engineering Department, UAE

*Web conference

12:45 **INNOVATION & EXPERIMENTATION ON HIGH ENERGY EFFICIENCY FACADES**

Lecturer:

VALENTINA FRIGHI *PhD* Candidate IDAUP XXXII Cycle, University of Ferrara

15:00 **THE LIFE "HEROTILE" PROJECT PRESENTATION: high energy savings in building cooling by roof tile shape optimization toward a better above sheathing ventilation**

Round Table and Lecturers:

GIOVANNI ZANNONI *PhD* Department of Architecture, University of Ferrara

MICHELE BOTTARELLI *PhD* Department of Architecture, University of Ferrara

PIETROMARIA DAVOLI *PhD* Department of Architecture, University of Ferrara

13/03 - WEDNESDAY DA, Sala del consiglio

9:00 **THEORIES AND EXPERIENCES ON RE-USE AND RE-CYCLE**

Round Table Discussant:

ALESSANDRO MASSARENTE *PhD* Department of Architecture, University of Ferrara

Lecturers:

PISANA POSOCCO University la Sapienza, Roma

FILIPPO BOSCHI University of Ferrara

14:30 **METHODOLOGIES AND STRATEGIES FOR INDUSTRIAL LANDSCAPES**

Lecturers:

IRENE CURULLI Edinoven University of Technology

ALBERTO VERDE *PhD* IDAUP, University of Ferrara

14/03 - THURSDAY DA, Sala del Consiglio

9:00 **DIGITAL DOCUMENTATION AND ICT APPLICATIONS WITHIN EUROPEAN RESEARCH**

Roundtable discussant:

ROBERTO DI GIULIO *PhD* Department of Architecture, University of Ferrara

Guest Lecturer:

RIZAL SEBASTIAN *PhD* Innovation Lead of Digitalisation in Construction – TNO, NL

Lecturers:

FEDERICA MAIETTI *PhD* Department of Architecture, University of Ferrara

MARCO MEDICI *PhD* Architecture Technology, Research Fellow, DA

ANNA ELISABETTA ZIRI CTO Nemoris srl

14:00 **RE-USE AND RE-CYCLE STRATEGIES: industrial landscapes through research by design**

Round Table Discussants:

ALESSANDRO MASSARENTE *PhD* Department of Architecture, University of Ferrara

Lecturers:

ROBERTA INGARAMO Politecnico di Torino

GIULIA SETTI Politecnico di Milano

ALESSANDRO TESSARI University of Ferrara

DANILO GEROTTO Venice, Metropolitan city

15/03 - FRIDAY DA, Sala del Consiglio/Trasfer to Castel Bolognere

9:00 **DIGITAL GAZE: methods and approaches in past and future landscape**

Round Table discussant:

LUCA EMANUELI *PhD* Department of Architecture, University of Ferrara

Lecturers:

FEDERICO ZONI *PhD* Archeologist, Department of History and Culture, Bologna University

GIANNI LOBOSCO *PhD* IDAUP, Department of History and Culture, Bologna University

14:30 **SMALL SMART TOWN**

Round Table Discussant:

GABRIELE LELLI Associate professor, Department of Architecture, University of Ferrara

Lecturers:

GIANNI LODI Engineer, EL4Smat co-founder and Duke&Kay Transition management

GIAN LUCA CRISTOFORETTI MSc, Urban planner and Smart community projects

MANUEL ORAZI *PhD* Architecture historian and curator at Quodlibet

ENRICO PIRACCINI Hera SpA, Development manager, innovation central management

Speakers:

WALTER NICOLINO MSc, Carlo Ratti Associati former partner

ILARIA FABBRI *PhD* Candidate XXXIV Cycle, University of Ferrara

MARCO NEGRI MSc, Nex City Lab research assistant

VERONICA ANDREOLI Bachelor in Design at DA, IED Current student

18/03 - MONDAY DA, Aula I5

9:00 **INTERDISCIPLINARY APPROACHES TO URBAN RESEARCH: the active city perspective**

Round Table discussant:

ROMEO FARINELLA DA associated profesor, CITERlab, University of Ferrara

Lecturers:

RENÉ KURAL Royal Danish Academy of Fine Arts, School of Architecture Design and Conservation

ANTONIO BORGOGNI Department of Human and Social Sciences, University of Bergamo

ELENA DORATO *PhD* IDAUP, CITERlab, Department of Architecture, University of Ferrara

14:30 **PHD CANDIDATES ACTIVITIES**

19/03- TUESDAY DA, Aula I5

9:00 **RESEARCH, INNOVATION, EDUCATION. SURVEY, DOCUMENTATION AND REPRESENTATION FOR THE CONSERVATION OF MODERNIST ARCHITECTURE**

Roundtable discussant:

FEDERICA MAIETTI *PhD* Department of Architecture, University of Ferrara

Lecturers:

LUCA ROSSATO *PhD* IDAUP, Department of Architecture, University of Ferrara

FELIPE CORRES MELACHOS *PhD* candidate Presbyterian Mackenzie University

FABIANA RACO *PhD* Architectural technology, Research fellow, University of Ferrara

⁴Scientific coordinator and organization by Federica Maietti

14:30 **PHD CANDIDATES ACTIVITIES**

20/03 - WEDNESDAY DA, Aula I5

09:30 **THE SONGYANG STORY**

Introduction:

NICOLA MARZOT *PhD* Department of Architecture, University of Ferrara

Lecturer:

XU TIAN TIAN MSc Harvard Graduate school of Design, DnA_Design and Architecture

11:30 **PHD CANDIDATES' MEETING WITH POTENTIAL DA SUPERVISORS**

14:30 **PHD CANDIDATES ACTIVITIES**

21/03 - THURSDAY DA, Sala del consiglio

9:00 **INNOVATIVE AND MULTIDISCIPLINAR DOCTORATES: contents, aims and perspectives**

Roundtable discussant:

THEO ZAFFAGNINI *PhD* Department of Architecture, University of Ferrara

Lecturers:

VALENTINA FRIGHI *PhD* Candidate IDAUP XXXII Cycle, University of Ferrara

11:00 **PROMOTING INTERNATIONAL CONVERSATIONS ABOUT POST-GRADUATE STUDENTS IN ARCHITECTURE AND URBAN DESIGN: sharing experiences between the School of Architecture, University of Portsmouth and the Department of Architecture, University of Ferrara**

Roundtable discussant:

THEO ZAFFAGNINI *PhD* Department of Architecture, University of Ferrara

Speakers:

ALESSANDRO MELIS* Co-Director, Innovation Cluster for Sustainable Cities

FABIANO LEMES* Research Lead, School of Architecture University of Portsmouth, UK

ANTONINO DI RAIMO* Media Hub Coordinator, Academic Member of the PhD IDAUP

12:20 **PHD STUDENTS S.O.A UNIVERSITY OF PORTSMOUTH (UK): ongoing research activities presentation***

*Web conference

14:30 **EFFECTIVE INNOVATIONS IN THE CONSTRUCTION SECTOR: evolutive interactions between research, global practice procedures and building industrial needs in the digitalization era**

Roundtable discussant:

THEO ZAFFAGNINI *PhD* Department of Architecture, University of Ferrara

Lecturers:

ANNA DALLA VALLE *PhD* MSc, Politecnico di Milano, ABC Department

MARCO MEDICI *PhD* MSc, Research Fellow, LT Teknehub, University of Ferrara, DA

JAMES STEVENS* *PhD* Candidate IDAUP XXXII Cycle Associate Prof. LTU, Michigan

SARA CODARIN* *PhD* Candidate IDAUP XXXII and visiting researcher at LTU, Michigan

ALESSANDRO PRACUCCI *PhD* Innovation project manager, Focchi group

*Web conference

22/03 - FRIDAY DA, Sala del consiglio

09:00 **PHD CANDIDATES ACTIVITIES**

10:00 **CONCLUSION OF THE 5TH FERRARA INTERNATIONAL PHD WORKSHOP 2019 EDITION**

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DA Dipartimento Architettura Ferrara



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March 11th / 22th, 2019
Dipartimento di Architettura
Via della Ghiara, 36 | Ferrara