



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

IUSS / DA IDAUP lecture | march 12th 2019 | h 9:00 - 13.15

FROM HISTORICAL BUILDINGS TOWARDS NEW BUILDINGS: INNOVATIVE STUDIES AND PROCESSES FOR ACHIEVING HIGH STANDARDS OF ENERGY-ENVIRONMENTAL EFFICIENCY

INTERDISCIPLINARY RESEARCH LABORATORY: EURAC RESEARCH. ENERGY EFFICIENCY AND HYGTROTHERMAL PERFORMANCE EVALUATION OF HISTORIC BUILDINGS

ALEXANDRA TROI *MSc, PhD, Deputy Head (web conference)* | Istituto per le energie rinnovabili, EURAC Research
 MARCO LARCHER *MSc, PhD, Senior Researcher (web conference)* | Istituto per le energie rinnovabili, EURAC Research
 ELENA LUCCHI *MSc, PhD, Senior Researcher (web conference)* | Istituto per le energie rinnovabili, EURAC Research

THE "HELLO" PROJECT, MARIE SKŁODOWSKA-CURIE, HORIZON2020: PREMISES AND DEVELOPMENTS

LUISA MARIA DIAS PEREIRA *MSc, PhD, Marie Skłodowska-Curie Research Fellow (web conference)* | University of Ferrara/University of Coimbra

VISIT TO THE TESTING ROOM OF "HELLO" PROJECT, TASSONI ESTENSE PALACE.

MARTA CALZOLARI *MSc, PhD, Research Fellow* | Department of Architecture, University of Ferrara
 LUISA MARIA DIAS PEREIRA *MSc, PhD, Marie Skłodowska-Curie Research Fellow (web conference)* | University of Ferrara/University of Coimbra

THE KNOW HOWSE. SOLAR DECATHLON MIDDLE EAST 2018 IN DUBAI

VITTORINO BELPOLITI *MSc, PhD, Assistant Professor* | Architectural Engineering Department, University of Sharjah, UAE

INNOVATION AND EXPERIMENTATIONS FOR HIGH-ENERGY EFFICIENT FAÇADES

VALENTINA FRIGHI *MSc, PhD candidate IDAUP XXXII cycle* Department of A | rchitecture, University of Ferrara

Sala del Consiglio, Palazzo Tassoni Estense | Department of Architecture | Via della Ghiara 36, Ferrara

IUSS / DA IDAUP lecture | march 12th 2019 | h 14:30 - 18.30

The LIFE "HEROTILE" Project, new products for vented roofs and for passive climatization of attic and a software for performances evaluation

THE LIFE "HEROTILE" PROJECT PRESENTATION: HIGH ENERGY SAVINGS IN BUILDING COOLING BY ROOF TILES SHAPE OPTIMIZATION TOWARD A BETTER ABOVE SHEATHING VENTILATION "THERMAL BEHAVIOUR OF VENTED ROOFS IN SUMMER CONDITIONS"

GIOVANNI ZANNONI *MSc, PhD, Full Prof.* | Department of Architecture, University of Ferrara

VISIT TO THE MOCK UP OF LIFE HEROTILE PROJECT.

TekneHub | Via Saragat 13 | Ferrara

THE SENSAPIRO SOFTWARE (LIFE HEROTILE PROJECT)

SOFTWARE IMPLEMENTATION FOR THE PRIOR ASSESSMENT OF ENERGY SAVINGS OF PITCHED TILED ROOFS

MICHELE BOTTARELLI *MSc, Researcher, Responsible of Herotile projecy Unife Unit* | Department of Architecture, University of Ferrara

DISCUSSION /CONCLUSIONS

PIETROMARIA DAVOLI *MSc, PhD, Full Prof.*, GIOVANNI ZANNONI *MSc, PhD, Full Prof.* | Department of Architecture, University of Ferrara

Meeting point for transfer to TekneHub at Dipartimento di Architettura | Via della Ghiara 36 | Ferrara

5th Ferrara International PhD Workshop IDAUP Edition 2019

Scientific Coordinators | PIETROMARIA DAVOLI (MSc, PhD, Full Prof.) GIOVANNI ZANNONI (MSc, PhD, Full Prof.)

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