

Curriculum Vitae

INFORMAZIONI PERSONALI

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AMBITI DI RICERCA

Calogero Vinci

B.Eng., PhD, Associate Professor in Architectural Engineering

Department of Architecture

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Calogero Vinci, Engineer, PhD graduate in "Building Engineering: Design Techniques and Building rehabilitation", Associate Professor in Architectural Engineering at the Department of Architecture of the University of Palermo since 2021.

He teaches "Architectural Engineering" and "Materials and techniques of the built heritage" for the Master's Degree in "Architecture", "Architectural Engineering" for the Civil Engineering Degree.

His research activity has been aimed, over the last years, at the study of historical building - with special attention to material characterisation and construction techniques - and sustainable rehabilitation. More in detail, the research activity has been focused on the analysis, through specific measures, and strategies to improve energy efficiency while preserving the historical and aesthetic features of the building heritage in Mediterranean areas.

At the present time he is investigating the questions related to the construction analysis of the "underground built heritage", the compatible energy improvement of historic buildings, in-situ measurements for energy diagnosis in vernacular architecture and the development of a hygrothermal and mechanical database for Sicilian historic walls.

Member of the:

PhD Course in "Architecture, Arts and Planning", University of Palermo, from 2020 to present.

Responsible/coordinator role

2023 Principal Investigator, Call: ERASMUS+EDU-2022-CBHE - (Capacity building in the field of higher education).
Topic: ERASMUS+EDU-2022-CBHE-STRAND-1 Type of Action: ERASMUS+LS PROGETTO: "TOURITAGE - Tourism-led Heritage Development". (Project ID: 101082832)

2021 Responsible for the agreement for scientific collaboration (SSD ICAR/10) between the Department of Architecture of the University of Palermo and Gangi Municipality for the study of historical masonry.

2020 Responsible of the research group for the study of the "Constructive characteristics of the building heritage in the historic centre of Caltabellotta", as part of the research unit organised by the C.I.R.C.E.S., agreement with the Municipality of Caltabellotta (AG).

2020 Responsible for the agreement for scientific collaboration (SSD ICAR/10) between the Department of Architecture of the University of Palermo and DUIMAR s.r.l. for the study of a ventilated thermal insulation system.

2019 Responsible of the research group for the study of the "Constructive characteristics of the building heritage of the historic centre of Cinisi", as part of the research unit organised by the C.I.R.C.E.S., following an agreement with the Municipality of Cinisi (PA).

2017 Responsible for the analysis of historical building techniques and for the study of masonry building elements, as part of the research unit organised by C.I.R.C.E.S. following an agreement with the Municipality of Modica for the drafting of "Guidelines for the requalification of the historical city" (scientific head: Prof. Giuseppe Trombino).

2011 Agreement between the Centro Regionale per la Progettazione e il Restauro and the Scuola Nazionale di Speleologia CAI for the carrying out of a "Scientific research on rock settlements, artificial excavations, anthropized hollows from prehistory to modern times for the knowledge of degradation and risk factors and for conservation". In the framework of the agreement, he has been appointed by the Director of the National Speleology School as responsible for the typological-constructive characterisation of anthropogenic underground structures in urban areas.

2003 Responsible for the Project "Giovani ricercatori", year 2002 (ministerial funds from the e.f. 2000) on the theme "Assonances and conflicts between the historical building and the receptive function". As part of the study, he investigated the transformations related to the adaptation of historical buildings in urban areas to the function of accommodation, evaluating the methods and compatibility of the interventions. (from 01-01-2002 to 31-12-2003)

Member Staff role

2023 Member staff of Research Unit, ENI CBC MEDITERRANEAN SEA BASIN PROGRAMME 2014-2020, Call for proposals for strategic Projects 2014-2020 – Priority A.2.1. Support technological transfer and commercialisation of research results: "iHERITAGE - ICT Mediterranean platform for UNESCO cultural heritage", Coordinator: Regione Siciliana - Assessorato Turismo, Sport e Spettacolo (ITALIA). Approved Decision n. 245, 9/12/2019, Financed: <http://www.enicbcmed.eu/index.php/programme-funds-22-new-projects-drive-cooperation-forward-across-mediterranean>

2016 Member of the scientific committee, composed by Prof. T. Campisi, Prof. E. Garofalo (UNIPA) and Prof. José Palacios Gonzalo (Escuela politecnica de Madrid, EPM) for the "Stereotomy Laboratory", from April 18 to 29, 2016, CoRI 2014-Actions D (responsible for the funding Prof. Emanuela Garofalo).

2014 Agreement between Soprintendenza per i Beni Culturali e Ambientali di Palermo and CAI (Club Alpino Italiano) for the "Archaeological activities to be carried out in the territory of the Municipality of Palermo". Within the CAI research group, he was involved in the study of underground wall structures, through the typological characterisation of the construction elements and the assessment of degradation and instability within the qanats.

2008 Member of the research unit MURST research project ex60% - year 2008 - "Compatible recovery of historical architecture"; responsible Prof. Giovanni Fatta.

2007 Component of the research unit Research project MURST 60%- years 2006-2007 - "The analytical knowledge of the Sicilian historical construction. Investigations, analyses, experiments"; responsible Prof. Giovanni Fatta.

2006 Member of the research group financed by MIUR, PRIN 2004, entitled "Characters of regional architecture in the Sicilian area. Material, technical, formal and typological aspects of the building tradition"; scientific head of the local research unit: Prof. Giovanni Fatta; national research coordinator: Prof. C. Aymerich.

2006 Component research unit on the theme "Le facciate sul Cassaro. Historical-constructive characterisation, degradations, instabilities, codes of practice for interventions", within the project "SALVALARTE Breathes clean. The Corso Vittorio Emanuele road axis in Palermo: environmental monitoring, historical-constructive and chemical-physical characterisation of the materials". Research promoted by Legambiente, in collaboration with the Regional Department for Cultural and Environmental Heritage of the Sicily Region, the Regional Agency for the Protection of the Environment Sicily (ARPA) and the Regional Centre for Design and Restoration (CRPR) of the Sicily Region.

2005 Agreement between the Municipality of Palermo - Historical Centre Office and CAI (Club Alpino Italiano) for the "Survey, recovery and valorisation of the underground cavities in the territory of the Municipality of Palermo". He was involved in the study of the historic quarries in the urban area, aimed at identifying the risks associated with the presence of buildings in the areas above them and the mapping, enhancement and conservation of cavities of historical importance.

2005 Member of the research group financed by MIUR, PRIN 2002 entitled "Places and architectures for commerce in the Sicilian territory. Gli aspetti tipologici e costruttivi dei mercati storici e moderni" (regional research theme); scientific head of the local research unit: Prof. Giovanni Fatta; research coordinator at national level: Prof. Marina Fumo (units in Palermo, Naples, Genoa and Bologna).

2005 Component of the research unit Research project MURST 60%- year 2005 - "Characters of basic building in the Madonie area. Material, technical and typological aspects of the building tradition"; responsible for Prof. Giovanni Fatta.

2004 Member of the research unit Research project MURST 60%- year 2002 - Aspects of hygiene and healthiness in pre-modern building construction; responsible Prof. Giovanni Fatta.

2003 Component of the research unit Research project MURST 60%- year 2001 - Railway buildings in Sicily. Characters, typologies, conditions of use, responsible Prof. Giovanni Fatta.

2002 Member of the research unit Research project MURST 60%- year 2000 - Construction aspects of the Politeama Garibaldi theatre in Palermo; responsible Prof. Giovanni Fatta.

2001 Member of the research group made up also of Messrs. S. Mutolo and T. Campisi within the research project for "Giovani ricercatori", year 2001 (ministerial funds from the e.f. 1999) on the theme "Permanence and innovative characters in the evolution of the dwelling house between the nineteenth and twentieth centuries".

Scientific Committee

Member of the international Scientific Committee of publishing series "Trame Architettura e tecnica", Director prof. T. Campisi, Editore 40due (Palermo, <http://www.40due.com>), ISSN 2499-3530

Main Publications (ICAR/10, non-bibliometric)

He is the author/co-author of more than 90 publications, including:

13 Article in journal, including: 7 "Classe A" journal (List published by ANVUR on 28/01/2021); 3 "Riviste Scientifiche dell'Area 08" (List published by ANVUR on 28/01/2021);

5 monographs

29 book articles

46 Proceedings

Honours and Awards

2009 - Winner of the "PREMIO Ar.Tec GIOVANI RICERCATORI 2009", "Ar.Tec Congress. - Il sisma - ricordare prevenire progettare", Faculty of Engineering of the University of Messina, for the paper " Earthquakes and prejudices in the building culture of western Sicily in the 19th century".

2008 - European Prize 2008 for the reconstruction of the city, prix Philippe Rotthier, The best urban neighborhood in Europe built in the last 25 years, Bruxelles June-October 2008. The working group formed by Prof. Fatta G., Prof. Campisi T., Prof. Vinci C. of the Department of Building Design and Construction of the Faculty of Engineering of Palermo, was awarded a prize for the study activity on the results of the restoration of the Historic Centre of Palermo.