

Research Group

IMPACT-I: Identities, Meanings, Places, Architectures, Contents, Territories, Immateriality

Reference year:

2024

Scientific Coordinator:

CARILLO SAVERIO / Full Professor / Department of Architecture and Industrial Design (DADI) / Università degli Studi della Campania "Luigi Vanvitelli"

Group members:

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RENDINA MASSIMILIANO / Associate Professor / Department of Engineering / Università degli Studi della Campania "Luigi Vanvitelli"

CANNAVIELLO MONICA / Fixed-term researcher - full-time (art. 24 c.3-b L. 240/10) / Department of Architecture and Industrial Design (DADI) / Università degli Studi della Campania "Luigi Vanvitelli"

DAMIANI LUCA / PhD student In Architecture, Industrial Design and Cultural Heritage 37th Cycle / Department of Architecture and Industrial Design (DADI) / Università degli Studi della Campania "Luigi Vanvitelli"

LANZA LUANA / PhD student PON "Research & Innovation" on green and innovation issues of the Doctoral Program in Architecture, Industrial Design and Cultural Heritage 37th Cycle / Department of Architecture and Industrial Design (DADI) / Università degli Studi della Campania "Luigi Vanvitelli"

MASSARO LUIGI / PhD student In Architecture, Industrial Design and Cultural Heritage 37th Cycle / Department of Architecture and Industrial Design (DADI) / Università degli Studi della Campania "Luigi Vanvitelli"

NAVARRA EMANUELE / PhD student In Architecture, Industrial Design and Cultural Heritage 37th Cycle / Department of Architecture and Industrial Design (DADI) / Università degli Studi della Campania "Luigi Vanvitelli"

Exteriors:

CAMPONE MARIA CAROLINA / (PhD Nunziatella Military Academy)

MONTUORI MANLIO / Research Associate ICAR-19, Department of Architecture, Università

degli Studi di Ferrara
NUZZO MARIANO / adjunct professor (DADI) / Department of Architecture and Industrial Design (DADI) / Università degli Studi della Campania "Luigi Vanvitelli"
LUCIANO DARIO / graduate in architecture

Description of research lines:

IMPACT-I: Identities, Meanings, Places, Architectures, Contents, Territories, Immateriality.

The articulation of built spaces connects not only to the idea of design but, inevitably also to the historical skills and knowledge through which building materials are connected and put together by employing historical know-how. Not only the forms and geometries, but also the techniques document the abilities of men to express, through the accrued, plastic skills that express the goodness and happiness of creative intuitions. Many spaces made by man's historical culture manage to synthesize intangible aspects that define the relationships between men through the functions housed by building factories. In this wake, architectural culture has developed intense relationships with places involving even geographical and territorial situations, indeed drawing from the same environment the building materials and methods of interfacing with it. The historical resilient use of natural spaces and resources, which were also the premises for implanting residences, set in motion a mechanism of ergonomic use and approach of the same resources by avoiding waste and commensurate projects with real needs. Re-reading the ancient design approach also means understanding the measured, ergonomic use of the configuration of spaces so that conditions in which energy surplus and waste of resources resulted, such as, for example, the non-use or non-conservation of rainwater. A complex cycle in which material, spiritual and human conditions through the immateriality of culture come to represent the complex aspects of the meanings of existence.

Argumentative Lines of Research:

- *Identity: physical subjects and value aspects; historicized knowledge and technical know-how;*
- *Meanings: functions and liturgies of places and spaces; forms and places of relationships;*
- *Places: human geography; subjects of places; building techniques and anthropology of landscape; GIS;*
- *Architecture: design; composition of spaces; spaces, relationships and functions; structural security of shelter as protection of the human;*
- *Content: aspects and subjects through which accessible enjoyment becomes instrumental in understanding places by also explicating the psychophysical contexts of the human*
- *Territories: physical geography and cultural landscapes through the construction of environmental conditions; the urban landscape;*
- *Immateriality: values as memory; values transmitted through physical evidence and also the material features of man-made tools; The Argot design.*

Relationships with other research groups of the University of Campania L. Vanvitelli during the last three years:

Research Group:

Theories and practices of architecture in the contemporary world Coordinator Paolo Giordano

Research Group:

The Memory of Places. History and Preservation for promoting the architectural and environmental heritage - MemoS (The Memory of Sites. History and Preservation for promoting the environmental and architectural heritage - MemoS) Coordinator Elena Manzo

Research Group:

LANDesignR - [L.A.N.D.] Coordinator Sabina Martusciello

Participation in research projects during the last three years:

Project title: ***Imago proelii*, A Research Model for the Retrieval, Inventory, Study and Enhancement of the Iconographic Heritage of the Italian Army (19th - 20th C.)**

Scientific Responsible: E. Dai Prà (University of Trento)

Call title: PRIN 2021

Description of research activities: Research Collaborator

Personnel involved: Colleagues from Univ. of Trento, Univ. Roma3, Univ. of Sassari and Univ. of Trieste

Partner institutions: CNR Rome

Status (submitted/negatively evaluated/positively evaluated but not funded/financed/closed):

Positively evaluated but not funded

Date of submission/start/end of project: March 2021 (submission)

Project title: **Margini urbani e nuove ruralità: da paesaggi di mezzo a paesaggi di pregio**

Scientific Responsible: G. Mauro (University of Campania)

Call title: PRIN 2022

Description of research activities: Principal Investigator

Personnel involved: Colleagues from Libera Università di Lingue e Comunicazione (IULM-MI), Univ. Roma Tor Vergata and Univ. Nicolò Cusano

Partner organisations:

Status (submitted/negatively evaluated/positively evaluated but not funded/financed/closed):

Positively evaluated but not funded

Date of submission/start/end of project: March 2022 (submission)

Project title: **Ecocriticism and Ecocinema for the Study of Environment/Humankind Connection. Progetto ECO.**

Scientific Responsible: Prof. F. Sielo (University of Campania)

Call title: Young Researcher Projects ex D.R. 509/2022

Description of research activities: Research Associate (Development of Story Maps on industrialisation processes in Campania). Ongoing activities.

Personnel involved: Department colleagues

Partner organisations: ...

Status (submitted/negatively evaluated/positively evaluated but not funded/funded/closed):

Funded/Closed

Date of submission/start/end of project: July 2022 (submission) /November 2022 (start) /November 2023 (end)

Project title: **La villa marittima romana di Bibione (VE) e il suo contesto.**

Scientific responsible: Prof. Steuernagel. (University of Regensburg)
Call title: Deutsche Forschungsgemeinschaft (DFG) (German Research Foundation)
Description of research activities: Research Associate. Geodatabase development for archaeology.
Currently research activity suspended due to operational inconsistencies with partners.
Personnel involved: Colleagues from the Univ. of Padua and Trieste.
Status (submitted/negatively evaluated/positively evaluated but not financed/financed/closed):
Financed
Date of submission/start/end of project: November 2022 (start)/ November 2025 (end)

Project title: «**InSPiRE - Integrated technologies for Smart building and PREdictive maintenance. CUP.: F71F18000150009**» (2018-2021)

Partnership: TekneHub - Tecnopolo of the University of Ferrara (co-ordinator); CIRI-EC Interdepartmental Centre for Industrial Research Building and Construction of the University of Bologna; CRICT Interdepartmental Centre for Research and Services for Construction and Territory of the University of Modena and Reggio-Emilia; Istec-CNR Institute of Science and Technology of Ceramic Materials of Faenza; Cifla Centre for Technological and Social Innovation - Flaminia Foundation of Ravenna; ACER Azienda Casa Emilia-Romagna of the Province of Bologna; ACER PRO. M.O.S. Ordinary and Extraordinary Maintenance Programme; Sestosensor s.r.l. in Zola Predosa, Bologna; Finsoft s.r.l. in Milan; Giancarlo Maselli s.r.l. in Nonantola, Modena; Fassa s.r.l. in Spresiano, Treviso.

Scientific project manager: Prof. Marcello Balzani, TekneHub Laboratory of the University of Ferrara.

Technical-scientific co-ordination: arch. Manlio Montuori, TekneHub Laboratory of the University of Ferrara, contributing to: conception and writing of the proposal submitted to the competitive call POR-FESR 2014-2020 Emilia-Romagna Programme, Axis 1 Research and Innovation, as per DGR no. 986/2018 of 25/06/2018; reporting of project activities; experimental development applied to the implementation of the pilot sites and the demonstrator prototype.

Status: closed.

Project title: «**CRISALIDE - Conservation&Restoration Innovative System to Augment Life-long-learning of Digital Evidence. CUP.: E81B18000670007**» (2018-2021)

Partnership: REDOX s.r.l. industrial research laboratory (coordinator), Reggio Emilia; Mist E-R, Tecnopolo Bologna-CNR, Bologna; TekneHub Laboratory - Tecnopolo of Ferrara; Romagna Tech s.r.l.; Finsoft s.r.l. in Milan; LudiTIC s.r.l. in Milan; Leonardo s.r.l. in Bologna; Archiginnasio in Bologna; Panizzi Library in Reggio Emilia.

Scientific coordinator for the UniFE partner: Prof. Riccardo Dalla Negra.

Technical-scientific coordinator for the implementation of the project activities for the UniFE partner: arch. Manlio Montuori, TekneHub Laboratory of the University of Ferrara, contributing to: conception and writing of the proposal submitted to the competitive call POR-FESR 2014-2020 Emilia-Romagna, Axis 1 Research and Innovation, as per DGR no. 986/2018 of 25/06/2018; reporting of the project activities; experimental development applied to the implementation of the pilot action at the Panizzi Library in Reggio Emilia and the Archiginnasio Library in Bologna.

Project title: «**After the Damages. Prevention and safety solutions through design and practice on existing built environment. The Italian experience. CUP.: E45J19000190005**» (2019-2023)

Partnership: Department of Architecture of the University of Ferrara (co-ordinator); Department of Engineering and Architecture of the University of Parma; Department of "Enzo Ferrari Engineering" of the University of Modena and Reggio Emilia; Superintendence for Archaeology,

Fine Arts and Landscape for the Metropolitan City of Bologna and the Provinces of Modena, Reggio Emilia and Ferrara; Regional Agency for Reconstruction - Earthquake 2012, Emilia-Romagna Region; Institute for Artistic, Cultural and Natural Heritage of the Emilia-Romagna Region.

Directors: Prof. Marcello Balzani, Prof. Riccardo Dalla Negra, Prof. Roberto Di Giulio, Department of Architecture, University of Ferrara.

Scientific responsible for s.s.d. ICAR-19: arch. Manlio Montuori, TekneHub Laboratory of the University of Ferrara, contributing to: writing the proposal submitted to the competitive call of the Emilia-Romagna Region for Three-year Higher Education Projects in the cultural, economic and technological fields pursuant to art. 2 of Regional Law no. 25/2018, as per DGR no. 461/2019 of 25/03/2019; reporting of the project activities; construction and updating of the teaching offer for the three editions; planning and organisation of communication and dissemination activities (i.e., winter focus, spring focus, talks).

Project title: «**FIRESPELL - Fostering Improved Reaction of crossborder Emergency Services and Prevention Increasing safety Level - Id Application 10255377 CUP.: E71D20000130007**» (2020-2023)

Transnational Cooperation Programme INTERREG V-A Italy Croatia 2014-2020, approved on 5 June 2020 by the Monitoring Committee of the Italy-Croatia Programme. The Department of Architecture of the University of Ferrara participates in the project as an associated partner of the Emilia-Romagna Region, the beneficiary of the project, together with RERA S.D. Agency for the Coordination and Development of Split - Dalmatia County (as Lead partner) and the partners Abruzzo Region, Marche Region, Apulia Region, Veneto Region, Consorzio Punto Europa Soc.Consortile a R.L., Regional Agency for Environmental Protection of Friuli Venezia Giulia, Port Captaincies Corps - Coast Guard Maritime Directorate of Pescara, Region of Dubrovnik Neretva (HR), Adriatic Training and Research Centre for Accidental Marine Pollution Preparedness And Response - Atrac (HR), County of Zadar (HR), Region of Istria (HR), Development Agency of the Šibenik-Knin Region.

Scientific responsible for s.s.d. ICAR-19: arch. Manlio Montuori, TekneHub Laboratory of the University of Ferrara, contributing to: implementation of the pilot action at the case studies of Palazzo Schifanoia in Ferrara, Castello Lambertini in Poggio Renatico (FE) and Rocca Possente di Stellata in Bondeno (FE); planning of the educational contents of the training plan for cross-border experts (e.g., architects, engineers, experts from ministries of culture, and state property agencies) for damage characterisation following expeditious survey; expeditious in situ campaign for damage survey and characterisation of vulnerability and active collapse mechanisms.

Project title: **SHArch. Secon Hand architecture for confiscated property**

Principal Investigator: Concetta Tavoletta

Research group: Co- Pi Maria Gelvi con Cherubino Gambardella, Efisio Pitzalis, Luca Molinari, Corrado Di Domenico, Saverio Carillo, Simona Ottieri, Claudia Cennamo, Fabiana Forte, Marco Russo, Monica Cannaviello, Marco Pignetti.

Description of the project's research activities: The research aims to put the topic of zero soil consumption back at the centre.

zero soil consumption, attempting to describe a new possibility for the redemption of a Campania territories that are ardently struggling to regain the centrality of Campania Felix. The SHArch project aims to demonstrate how the use of pre-existing structures can be not only an economic resource but also a design choice without creating a negative impact on the environment and building so as to become a virtuous model aiming at a true

rebirth of an area with great potential.

Keywords: Recycle, sustainability, Design, eco-design, confiscated property

Financed project.

Total funding: 51,889.78 euro.

Submission date: 2022

Project title: MEDITERRANEAN UNIVERSITY AS CATALYST FOR ECOSUSTAINABLE RENOVATION (MedEcoSuRe)

Scientific Responsible: Antonella Violano (for DADI)

Call title: ENI CBC MED Project - European Union

Description of the project's research activities: Low-energy educational buildings are becoming the energy-efficient buildings are becoming the standard for new buildings in European and Mediterranean partner countries.

Meanwhile, the potential for efficient renovation of existing buildings continues to be a target for development in these countries. Technical solutions are continuously proposed by universities for the eco-sustainable renovation of buildings, but there is still a gap between designed models and real-world application.

The project brings together researchers and stakeholders to build a common awareness of eco-sustainable building retrofits and aims to enhance the regional knowledge-action process, starting from the university's immediate neighbourhood, which is the university building. Through a 'Living Lab', energy retrofit solutions are proposed to university energy managers on the basis of decision support tools that take into account social, economic and environmental aspects.

Being at the heart of the project activities, the academics involved will not only produce scientific solutions adapted to real situations, but also monitor and scale up the improvements induced.

Personnel involved: A. Bosco, M. Cannaviello, L. Capobianco, C. Frettoloso, R. Franchino, M. Merola, F. Muzzillo, S. Rinaldi, C. Tosato, A. Violano,

Partner institutions: Mediterranean Renewable Energy Centre (MEDREC), Tunisia

University of Tunis El Manar (UTM), Tunisia -

University of Florence - Department of Architecture (UNIFI-DIDA), Italy

University of Seville - Thermal Energy Engineering Department (TMT-US), Spain

An-Najah National University - Energy Research Centre (ERC), Palestine

Naples Agency for Energy and Environment- (ANEA), Italy

Spanish association for the internationalisation and innovation of solar companies (SOLARTYS)

University of Campania- Department of Architecture and Industrial Design (DADI), Italy

National Cluster of the Sectors of Home Automation, Smart Buildings and Smart Cities

(DOMOTYS), Spain

University of Naples Federico II - Department of Industrial Engineering, Italy

Project status: funded, in progress

Date of submission/start/end of project: 1.10.2019-31.08.2023

Project title: EDIFICI EDUCANTI E RESILIENTI: SOLUZIONI TECNOLOGICHE INNOVATIVE E LIVING-LAB PER LA TRANSIZIONE ECOLOGICA DELLE SCUOLE IN AREA MEDITERRANEA (EdIT Med)

Scientific Responsible: Francesco Minichiello (Principal Investigator); Antonella Violano (Unicampania OU Head)

Call title: PRIN 2022

Description of the project's research activities: URs will define "Nature

Based" and "Low Carbon" technical solutions, with the aim of developing an integrated operational

protocol for the implementation of innovative functional, energy and environmental retrofit interventions of the building-plant system and of the pertaining open spaces, under different operating conditions: ordinary and emergency. The application on two pilot projects will allow its effectiveness to be evaluated.

DADI personnel involved: M. Cannaviello, S. Carillo, C. Cennamo, G. Faella, M. Merola, A. Violano.

Partners: University of Napoli "Federico II" (P.I. prof. Ing. F. Minichiello), University of Palermo (R.U.O. prof. Arch. R. Corrao), University of Catania (R.U.O. prof. Arch. G. A. Sciuto).

Project status: Not financed. Positively evaluated

Date of submission/start/end of project: 03.04.2022 / ... / ...

Project title: LOST_Gothic Line. Gotico vs Barocco: alla ricerca dell'identità nascosta del Sud Italia.

Scientific Responsible: Mara Capone

Head of the Vanvitelli Research Unit: Alessandra Avella

Call Title: PRIN 2022 PNRR

Description of the project's research activities: Starting from the Cultural Identity of Southern Italy, based on the common belonging to the Kingdom of Naples\Sicily, the "LOST_Gothic Line" project aims at becoming a network able to promote experiences with Cultural Heritage, strengthening the sense of belonging and improving Human WELL-BEING. The objective will be achieved through: the use of 3D models, digital twins and visual images to disseminate cultural content, starting from research in architecture and art history; the activation of processes to involve all users, citizens, including the blind, tourists and scholars; the use of both digital media and physical models to return to the past and rediscover the LOST identity. The 'Gothic Line' in many cases is LOST because most buildings and urban contexts look very different from their original appearance as a result of transformation or destruction. Starting from the most important examples of Gothic Architecture in Naples to the smaller towns in Southern Italy, the Gothic Line will be traced on the map, joining the strategic points, which are real places or places of memory. The research develops "GothA_Gothic Algorithmic", an innovative parametric tool for the design of some prototypes linked to the Gothic Line brand in order to promote the development of Creative Cultural Industries based on an innovative customised design process that could be developed in specific university spin-offs.

Personnel involved: Professors Mara Capone, Alessandra Avella, Francesca Capano, Paola Vitolo, Andrea Pane, Fulvio Rino, Anna Alfieri, Francesco Bifulco, Saverio Carillo; PhD students: Riccardo Miele, Maria D'Uonno.

Partner institutions: Università degli Studi della Campania 'Luigi Vanvitelli', Università di Napoli Federico II.

Project status: submitted

Submission dates: November 2022

Project title: AGRILAND, DESIGN THE AGRICULTURAL LANDSCAPE

Responsabile Scientifico: Gianluca Cioffi

Call title: VALERE 2020

Description of the project's research activities: Project aimed at the study and regeneration of rural areas and agrarian villages, also of foundation, in Southern Italy and especially in Apulia and Campania. It pays particular attention to intervention techniques that mutate into 'gentle' intervention paths aimed at explicating modern ecological awareness as the resilient root of a new way of managing and understanding the landscape. An existential dimension that with the project also generates a renewed horizon of living the relationship with the countryside and the contemporary

declinations of aggregate work.

Personnel involved: Efisio Pitzalis, Saverio Carillo, Fabiana Forte, Marco Russo, Francesco Pio Arcella.

Project status: positively evaluated but not funded

Submission dates: 2020

Project title: SA.V.A.GE. Lilies of Nola. Safeguarding and enhancing authenticity in the management of “Gigli di Nola”

Scientific Responsible: Prof. Ing. Luigi MAFFEI

Title of the notice: Public notice of the Campania Region referred to in D.D n.141 of 13 July 2018.

Operational project aimed at safeguarding and enhancing the cultural elements of the intangible cultural heritage. Gigli di Nola inscribed in the UNESCO Intangible Cultural Heritage List. "Network of Great Italian Shoulder Machines" Serial Site

Description of the project's research activities: Research, design and documentation activities for the reconstruction of the cultural identity of the "Giglio di Nola" heritage; Design thinking for the "participatory" production of a prototype of the Giglio; Engineering of training models; Masterplan of the Safeguard and Valorisation Plan; Events and communication for the valorisation in a territorial marketing logic.

Personnel involved: Prof. Luigi Maffei, Saverio Carillo, Nicola Pisacane, Pasquale Argenziano, Alessandra Avella, Massimiliano Masullo, Marina D'Aprile

Partner organisations: Municipality of Nola; Academy of Fine Arts of Naples; Agenzia Area Nolana - Local Agency

local development agency of the municipalities of the Nola area; Associazione La Contea Nolana; Associazione

MU.S.A. Association; Festa dei Gigli Foundation; ITS BACT Foundation - Innovative Technologies for Cultural Heritage and

Cultural Activities and Tourism; MiBAC - Historical - Archaeological Museum of Nola

Project status: financed

Date of submission/start/end of project: 2019 / 2020 / 2021

Scientific products during the last three years:

10 scientific publications in Class A journals and/or indexed in the Scopus/WoS databases:

- [1] CARILLO S. 2023 (g) *Napoli. Il paesaggio culturale di una città regione, in NeMLA Italian Studies, Journal of Italian Studies, Italian Section Northeast Modern Language Association, Special Issue: Revisioning/Revisiting Naples in the New Millennium, volume XLIV, 2023, ISSN 1087-6715, pp.1-35*
- [2] CARILLO S. 2021 (a) Exploring the soundscape and the atmosphere of the Gigli di Nola cultural festival in Italy (con Alves, S., Di Gabriele, M., Masullo, M., Maffei, L.) *Emotion Space and Society*, 2021, n 41, 100848 (10 pp)
- [3] MAURO Giovanni, Battaini Costanza, Segantin Sara, Soliani Matilde (2021). *Cultural heritage and storytelling: didactic applications in Trieste with ESRI Story Maps*. *Journal of Research and Didactics in Geography (J-Reading)*, 1, pp. 23-37, ISSN: 2281 - 5694, doi: 10.4458/3945-02
- [4] MAURO Giovanni (2020). *Rural-urban transition of Hanoi (Vietnam): using Landsat imagery to map its recent peri-urbanization*. *ISPRS International Journal of Geo-Information*, 9, p. 1-22, ISSN: 2220-9964, doi: <https://doi.org/10.3390/ijgi9110669>
- [5] NUZZO M. *Restauri in cattedrale. Il duomo di San Michele Arcangelo di Caserta*, in “Confronti. Quaderni di restauro architettonico”, n. 13-16, Artem Editore, Napoli 2022, pp. 238-252, ISSN, 2279-7920

- [6] CARILLO S. 2022 (a) *La Festa dei Gigli di Nola come strumento di tutela. Il caso del borgo urbano di Cimitile*, in “Restauro archeologico. Conoscenza, conservazione e valorizzazione del patrimonio architettonico” Rivista del Dipartimento di architettura dell’università degli Studi di Firenze, a. XXX, special iussue/2022. *1972/2022 World Heritage in transition About management, protection and sustainability*, Florence 18-19 November 2022, v. 2, pp 272-277 (ISSN 1724-9686).
- [7] CARILLO S. 2021 (c) *Il giardino secolare. Il caso storicizzato della Villa comunale di Nola, (con Maria Carolina Campone)* in “Restauro archeologico. Conoscenza, conservazione e valorizzazione del patrimonio architettonico” Rivista del Dipartimento di architettura dell’università degli Studi di Firenze, a. XXIX, special iussue/2021. *1981/2021. Giardini storici. Esperienze, ricerca, prospettive, a 40 anni dalle Carte di Firenze*, (a cura di S. Caccia Gherardini, M.A. Giusti, C. Santini) voll 2, pp 12-17 (ISSN 1724-9686)
- [8] CANNAVIELLO Monica (2021), Antonella Violano, Imad Ibrik,. HUMAN-CENTRED DESIGN: PARTICIPATED ENERGY RETROFIT FOR EDUCATIONAL BUILDINGS. SUSTAINABLE MEDITERRANEAN CONSTRUCTION, vol. 13/2021, p. 106-116, ISSN: 2420-8213
- [9] NUZZO M. 2023, *Historic Chimney Stacks: Seismic Assessment and Kinematic Analysis (con Guadagnuolo, M., Aurilio, Faella, G.)* in *Journal of Architectural* 2023, 29(1), 04022037
- [10] CAMPONE MC 2023, “*et auro occultatus*”: *Silvio Ferri e la cultura del restauro*, in “Restauro archeologico. Conoscenza, conservazione e valorizzazione del patrimonio architettonico” Rivista del Dipartimento di architettura dell’università degli Studi di Firenze, a. XXXI, special iussue/2023. “*Già chiamano in aiuto la chimica...*” *Il restauro da bottega a laboratorio scientifico e pratica di cantiere*, Florence 15-16 December 2023, v. 1 pp 346-353 (ISSN 1724-9686).

Additional 10 scientific products:

- [1] MAURO G. Ronza M., (2023). *Trasformazioni del paesaggio nella Piana del Sebeto: monitoraggio mediante telerilevamento*. In: De Nardo A. (a cura di), “L’area orientale di Napoli e il comprensorio di bonifica delle paludi di Napoli e Volla”. Quaderno CESBIM, 7, pp. 30-45.
- [2] RENDINA M., *Unità di luogo-Measure of the place*, Lettera Ventidue, Siracusa, 2021, 248 pp
- [3] ARGENZIANO, P. (2021). Il disegno della città nelle tavole del De Nola. Metodi della rappresentazione e della tipografia. In: Arena A., Arena M., Mediatì D., et alii. *Connettere Connecting. Un disegno per annodare e tessere. Drawing for weaving relationships*. 42° Convegno Internazionale dei docenti delle discipline della Rappresentazione. Congresso della Unione Italiana per il Disegno, Reggio Calabria-Messina, 16-18 settembre 2021, pp. 85-102. Milano: Franco Angelo. ISBN 9788835125891
- [4] CARILLO S. 2023 (h) *Castelcicala, da borgo rurale a paesaggio culturale. Accessibilità e Conservazione*, Presentazione al volume di Federico Cordella, *Il territorio storico di Castelcicala*, Michelangelo 1915 editore, Palma Campania 2023, pp. 7-9. ISBN 978-88-969555-40-6
- [5] CANNAVIELLO Monica, TAVOLETTA Concetta, GAMBARDELLA Cherubino, GELVI Maria, ARCOPINTO Luigi (2023). SHARCH. Second Hand Architecture. A New Life for Confiscated Property. In: (a cura di): ZERLENGA Ornella; JACAZZI Danila; CORNIELLO Luigi, CLIMATE CHANGE AND CULTURAL HERITAGE -IV INTERNATIONAL FORUM ON ARCHITECTURE AND URBANISM 22 - 23 June 2023. p. 82, Aversa: DADI_PRESS. Editorial line of the Department of Architecture and Industrial Design, ISBN: 9788885556270...
- [6] NUZZO M., *Antichità e Belle Arti nello Stato Pontificio. Note della Commissione ausiliaria sulla riedificazione della Basilica Ostiense*, pp. 55-80, in *Monè* n.1, Viterbo, dicembre 2019,

ISSN 2704-7806.

[7] MONTUORI Manlio, *Dal laboratorio alla realtà di cantiere: il progresso delle soluzioni nel trattamento dell'umidità di risalita capillare*. In *Restauro Archeologico*, 1, 2023, pp. 416-423.

[8] MASSARO, L., Guadagnuolo, M., Faella, G., Frunzio, G., & Brigante, D. (2022). The capacity of GFRP anchors in concrete and masonry structures. *Procedia Structural Integrity*, 44, 942–949. <https://doi.org/10.1016/j.prostr.2023.01.122>

[9] MASSARO, L., Serpieri, R., Frunzio, G., & di Gennaro, L. (2023). *TIMBER CARPENTRY WITHOUT STEEL CONNECTORS*. *COMPADYN Proceedings*.

[10] NAVARRA E., Carillo S, *I Gigli di Nola. Da "architettura effimera" a testimonianza di "archeologia dell'uomo"*. In: Tiziano Mannoni, *Attualità e sviluppi di metodi e idee*. Sesto Fiorentino, All'Insegna del Giglio, ISBN: 978-88-9285-072-9, 2022.

Relationships with international and national Companies, Institutions, Research Centers, Universities during the last three years:

- NeMLA Italian Studies, Journal of Italian Studies, Italian Section Northeast Modern Language Association Buffalo University
- CAIS - Canadian Association for Italian Studies, Toronto
- "Alexandru Ioan Cuza" University, Iași (Romania)
- Nume - New Middle Ages for the Study of the Latin Middle Ages, Florence
- Shrine of the Blessed Virgin of the Rosary of Pompeii
- Historical Archive "Bartolo Longo" - Shrine of Pompeii
- Centre of Culture and History - Amalfi
- Angelica Costantiniana Academy - Rome
- Academy - Nunziatella Military School - Naples
- Academy of Fine Arts Naples
- Municipality of Cimitile - Naples
- Episcopal Curia of Nola - Naples
- Nola Lilies Festival Foundation - Naples
- MUSA - Nola
- Nolana Area Development Agency
- "Del Giudice" Foundry, Nola - Naples
- Ministry for Cultural Heritage and Tourism
- Nola Historical Archaeological Museum - Naples
- "Del Giudice" Foundation
- CampaniArchitecture Prize
- Siebenarchi Foundation
- Water Museum - Dominican Sanctuary Madonna dell'Arco Sant'Anastasia - Naples

Collaborations with Consortia, Scarl or other Institutions participated by the University of Campania Luigi Vanvitelli during the last three years:

Festa dei Gigli Foundation

ITS BACT Foundation - Innovative Technologies for Cultural Heritage and Activities and Tourism

BENECON Centre of Competence

ISI Web of Science Subject Categories:

Architecture
Construction & Building Technology
Green & Sustainable Science & Technology
Architecture / Urban Studies / Engineering, Civil / Acoustics
(Also, by and for inspiration: Archaeology, Poetry, Art)

Scientific-Disciplinary Sectors:

- ICAR/08
- ICAR/12
- ICAR/17
- ICAR/19
- M-GGR/01 – Geography

Keywords:

- Architecture
- Energy
- Form
- Geography
- GIS
- Landscape
- Cultural Heritage
- System
- Space
- Remote Sensing

ERC Categories:

- PE8_3 Civil engineering, architecture, offshore construction, lightweight construction, geotechnics
- SH3_10 Urbanization, cities and rural areas
- SH3_9 Spatial development and architecture, land use, regional planning
- SH5_11 Cultural heritage, cultural memory
- SH5_7 Museums and exhibitions
- SH5_9 History of art and architecture
- SH7 1 Human, economic and social geography
- SH7 7 Cities; urban, regional and rural studies
- SH7 10 GIS, spatial analysis; big data in geographical studies