
Carlo Vannini
CV | Nov. | 2024

Profile

Carlo Vannini is an architect, graduated in Rome (Sapienza - University of Rome) with a Postgraduate Master's Degree in Digital Architecture (IUAV – University of Venice). A member of the Order of Architects of Rome and Province, he is currently a PhD student in Architecture and Construction (DRACo) at the Department of Architecture and Design of the Faculty of Architecture (Sapienza - University of Rome).

He carries out research activities mainly in the field of Technological Design for the improvement and conservation of the modern and post-WW II building heritage, focusing mainly on public housing, urban quality and public spaces.

With a specific focus on innovative design tools and production and construction processes, his research proposal aims to develop methodologies and approaches capable of meeting the challenges posed by the increasingly necessary digital evolution in the processes of the construction field.

Participation in the activities of a research group characterised by national or international collaborations.

1. 2024 - ongoing. Studies and research for the development of standard data sheets on buildings and spaces in the Spine Bianche, Lanera and Serra Venerdi districts in Matera.
2. 2023. Studies and research for the development of the layout scheme and architectural and technical solutions for the development of the urban plan of the Repubblica - Ponte Vittorio section of the TVA
3. 2022. Study for the definition of guidelines and operational tools for the improvement of the urban quality of roadway pavements for vehicles, bicycles and pedestrians in Roma Capitale public spaces. Kythera, Activities on behalf of third parties.
4. 2022. Development of the 'Tor Bella Monaca - Tor Vergata Integrated Plan' (feasibility project), within the framework of the PNRR, whose primary objective is the eco-sustainable recovery, renovation and re-functionalization of existing building structures and public areas, in order to improve the quality of life, promoting social and entrepreneurial revitalization processes.
5. 2021. Simplified technical and economic feasibility project 'Abitare Tor Bella Monaca', developed within the PINQuA with the Sapienza-RomaTre-LUISS working group, with an intervention that envisages a complex of actions aimed at urban and building regeneration, energy and seismic improvement, typological and functional reorganisation of the basement necessary to increase the accessibility and safety of the places and to increase the endowment of services.

Main academic roles and positions, activities at Sapienza University of Rome.

2022 - ongoing. Expert in the subject framed in the SSD Technology of Architecture ICAR 12 with reference to teaching support for the module of Technology of the Integrated Laboratory of the CdL in Building Project Management and Construction of Building Systems.

Design and experimentation activities at national and/or international level and/or technical and technical/scientific consultancy, consistent with the relevant SSD, on behalf of public and private bodies

1. 2024. UP+IT Design Workshop 'Upcycling Architecture in Italy' in the framework of the activities of the research project PRIN - PNRR 2022 'Upcycling Architecture in Italy'.

- Forging and Promoting a Renewed Building Culture', funded by the European Union NextGenerationEU.
2023. Design workshop Nature and Circularity in the design of public space, organised by SITdA in the framework of the RELIVE 2023 Urban Environment)_SCAPE design competition, operated by the city of Corsico Milanese.
 2023. Workshop EAAE2023 on the impact of doctoral research in architecture beyond academia.
 2023. The Modernist Burden: future perspectives on a mass housing legacy of a past era_Quartaccio Revamp. Design workshop of the Sapienza Doctorate School of Architecture in collaboration with the Cultural Heritage Agency of the Netherlands.
 2023. Workshop Mesurar Villa Adriana with Ricardo Flores and Eva Prats, Mesurar Villa Adriana with Ricardo Flores and Eva Prats, of the Departament de Projectes Arquitectònics de l'Escola Tècnica Superior d'Arquitectura de Barcelona (ETSAB)
 2022. REcube: sustainable regeneration of the European reinforced concrete heritage - Regenerate workshop. In-presence course divided into lectures and practical study of the case study of the Mincio Swimming Pool (Milan) belonging to Pier Luigi Nervi's architectural heritage.
 2020. Re-live 2020 project workshop. Upcycling of the ERP buildings in Tor Bella Monaca in Rome, SITDA, Municipality of Rome. Sapienza University of Rome. RomaTre. ROMA1TRE research group coordinator. Mentioned project. SITDA.
 2020. Design competition in 1st grade 'for the design of 35 IPES dwellings in Bolzano - area "Prati di Gries". Technological design and visualisation. 7th place. IPES. Bolzano
 2020. Design competition in 1st grade 'for Redevelopment of Piazza Manno, Oristano - Municipality of Oristano. Technological design and visualisation.
 2020. International design competition for the regeneration of the building named 'Ex Galateo' in the Municipality of Lecce. Responsible for visualisation.
 2019. 'International Architecture Competition ReUse Italy, Reuse the Castle - Ripafratta'. Group leader.
 2017. Design experimentation activities for the elaboration of prototypes for residential communities in China: Elab future living prototype. Shanghai Ding Zhuo Network Technology Co. Responsible for visualisation.
 2016. Chongqing South Bank International Design Competition. Residential skyscraper Green Eco Space. Responsible for visualisation.

Selection of scientific publications on topics consistent with the relevant SSD

2024 - Riscoprire la qualità dell'abitare (erga omnes)

VANNINI, CARLO - 02a Capitolo o Articolo
libro: New Togetherness - (9788833655567)

2024 - Essenzialità e armonia in un'architettura residenziale

VANNINI, CARLO - 01a Articolo in rivista
rivista: INDUSTRIA ITALIANA DEL CEMENTO (Pubblicamento Srl:Piazza G Marconi 25, I 00144 Rome Italy:011 39 06 54210237, EMAIL: iic@aitecweb.com, Fax: 011 39 06 5915408) pp. 38-39 - issn: 0019-7637 - wos: (0) - scopus: (0)

2024 - Alla ricerca dell'essenza di un luogo

VANNINI, CARLO - 01a Articolo in rivista
rivista: INDUSTRIA ITALIANA DEL CEMENTO (Pubblicamento Srl:Piazza G Marconi 25, I 00144 Rome Italy:011 39 06 54210237, EMAIL: iic@aitecweb.com, Fax: 011 39 06 5915408) pp. 108-111 - issn: 0019-7637 - wos: (0) - scopus: (0)

2024 - Architecture of the urban pavements in Rome. A case of study of Multi-scale and digital approach for an ecological transition.

LANDA, ANTONIO; PENNACCHIA, ELISA; PARIS, SPARTACO; VANNINI, CARLO - 04d Abstract in atti di convegno

congresso: Changing Cities VI (Rodhes)

libro: Book of Abstracts of the International Conference on Changing Cities VI: Spatial, Design, Landscape, Heritage & Socio-Economic dimensions - (978-618-5765-03-3)

2024 - Identity and regenerated landscape - An opportunity for the 'new' paper mill-museum in Tivoli.

FAMIGLIETTI, GIULIA; LANDA, ANTONIO; PARIS, SPARTACO; VANNINI, CARLO - 04d Abstract in atti di convegno

congresso: Changing Cities VI (Rodhes)

libro: Book of Abstracts of the International Conference on Changing Cities VI: Spatial, Design, Landscape, Heritage & Socio-Economic dimensions - (978-618-5765-03-3)

2024 - Protecting and redeveloping industrial archaeological heritage through design strategies driven by digital modelling.

PARIS, SPARTACO; GATTULLI, VINCENZO; VANNINI, CARLO; LANDA, ANTONIO - 01a Articolo in rivista
rivista: CONSERVATION SCIENCE IN CULTURAL HERITAGE (Ravenna: Dipartimento di Storie e Metodi per la Conservazione dei Beni Culturali, Università di Bologna (Di.S.Me.C.) pp. - - issn: 1973-9494 - wos: (0) - scopus: (0)

2024 - Digital Models for Technological Design of Social Housing Sustainable Renewal. a Selection of Case Studies on the First Public Housing Plan Stock in Rome (1964)

VANNINI, CARLO - 01a Articolo in rivista

rivista: ARCHIDOCT () pp. - - issn: 2309-0103 - wos: (0) - scopus: (0)

2024 - Rimozione e smaltimento amianto

VANNINI, CARLO - 02a Capitolo o Articolo

libro: Upcycling Architecture in Italy. Design Workshop. Risultati | Results - (979-12-81583-09-2)

2024 - Schemi di disassemblaggio e demolizione. Disassembly and demolition schemes

ANELLI-MONTI, MICHELE; FAMIGLIETTI, GIULIA; VANNINI, CARLO - 02a Capitolo o Articolo

libro: Upcycling Architecture in Italy. Design Workshop. Risultati | Results - (979-12-81583-09-2)

2024 - Prefigurazioni di upcycling | Upcycling Prefigurations

ANELLI-MONTI, MICHELE; FAMIGLIETTI, GIULIA; VANNINI, CARLO - 02a Capitolo o Articolo

libro: Upcycling Architecture in Italy. Design Workshop. Risultati | Results - (979-12-81583-09-2)

2023 - Architettura delle pavimentazioni urbane. Metodi multiscalari e digitali per una transizione ecologica. Architecture of urban pavements. Multi-scale and digital methods for an ecological transition

PARIS, SPARTACO; PENNACCHIA, ELISA; VANNINI, CARLO - 01a Articolo in rivista

rivista: AGATHÓN (Palermo: Palermo university press) pp. 217-226 - issn: 2532-683X - wos: (0) - scopus: 2-s2.0-85163756295 (2)

2023 - Integrated Design Approach to Build a Safe and Sustainable Dual Intended Use Center in Praslin Island, Seychelles

GATTULLI, VINCENZO; VANNINI, CARLO - 04b Atto di convegno in volume

congresso: CONF.ITECH: International Conference on Technological Imagination in the Green and Digital Transition (Roma)

libro: Technological Imagination in the Green and Digital Transition - (978-3-031-29514-0; 978-3-031-29515-7)

2023 - L'arte di fondere il cemento con la natura: la Art Sauna del Museo Serlachius
VANNINI, CARLO - 01a Articolo in rivista

rivista: INDUSTRIA ITALIANA DEL CEMENTO (Pubblicamento Srl:Piazza G Marconi 25, I 00144 Rome Italy:011 39 06 54210237, EMAIL: iic@aitecweb.com, Fax: 011 39 06 5915408) pp. 96-97 - issn: 0019-7637 - wos: (0) - scopus: (0)

2022 - Riabitare Torrecchia. Dove arriva la resilienza di un edificio

VANNINI, CARLO - 02a Capitolo o Articolo

libro: Storie di quartieri pubblici. Progetti e sperimentazioni per valorizzare l'abitare - (9788857585307)

Selection of scientific publications on topics consistent with the current SSD of reference

1. Inetzi, S., Vannini, C., Salahieh, D. (2024). Speculating beyond Academia. A critical reflection in the light of experience of the Ph.D. Workshop held during EAAE 23 Annual Conference. EAAE 23 conference proceedings
2. Currà, E., Paris, S., Vannini, C., Bonamore, A. (2024). Working on the landscapes of labor between ancient and modern: open projects for industrial archaeology in Tivoli. 18th DOCOMOMO International Conference 2024 Santiago
3. Vannini, C. (2024). Nobori Building: un'esplorazione verticale di cemento. Industria Italiana del Cemento, n. 861

Selection of other publications

1. [2019] Ri-abitare il moderno, il progetto per il rinnovo dell'housing" a cura di Spartaco Paris, Roberto Bianchi, Quodlibet Studio. Città e paesaggio. Saggi, p.43 – Torrecchia, contributo fotografico alla pubblicazione.
2. [2019] Densificazione urbana nell'isolato della ex Colonia Marina di Fasolo ad Ostia
3. all'interno del Laboratorio di Sintesi finale di Orazio Carpenzano, seminario di Armando Iacovantuono, in "Roma tra il fiume, il bosco e il mare" a cura di Piero Ostilio Rossi, Orazio Carpenzano Collana DiAP PRINT / PROGETTI Quodlibet, Macerata, p.31
4. [2015] Fit it out – Domusweb love.domusweb.it/fit-it-out/
articolo sullo spazio espositivo di Inoda + Sveje per la collezione Miyazakki Chair Factory, Fuorisalone MDW15
[2015] DOMUS in a box - Domus e Domusweb
domusweb.it/it/notizie/2015/04/16/allestire_spazio_domus.html
in Progettare a vent'anni. La cultura del progetto in Domus ieri oggi e domani, di Gianni Filindeu, Editoriale Domus, n° 990 aprile 2015
5. [2015] Alfredo Haberli, precisione e poesia – Domusweb
domusweb.it/it/notizie/2015/04/17/alfredo_haberli_precision_poetry.html
contributo fotografico alla pubblicazione per la versione digitale dell'articolo "Precisione e poesia" sulla rivista Domus
6. [2014] The Recycle City. Idee per il IV Municipio. Il nuovo asse ciclabile tiburtino. Bike to school in "Protocollo di Intesa tra IV Municipio e DIAP, finalizzato alla redazione della Carta degli obiettivi" a cura dell'Amministrazione Roma Capitale, Roma
7. [2012] Casa per un artista, Fregene in "Introduzione al progetto di architettura. Didattica e ricerca" a cura di Nicoletta Trasi, edizioni Kappa, Roma

Recent professional activity

1. 2024. Technical and economic feasibility project, including design phase safety coordination and survey service for the intervention, 'Restoration, recovery and valorisation of the Via d'Acqua' (project component 2b - 'restoration and valorisation interventions in the park complex of the Royal Palace of Caserta')'. - RTI component in charge.
2. 2024. Executive project for the renovation and re-functionalisation of the building in Via San Sebastianello, a building under direct and punctual restriction by the Ministry of Cultural Heritage and Activities (Rome, Italy) - with Carlo Terzoli Architect for In.Tech s.p.a.
3. 2024. Feasibility study for the New Covered Market in the Municipality of Ladispoli
4. 2024. Project for the conservation and reuse of the Don Orione pavilion at Villa Glori, a prefabricated wooden structure built in the 1920s under the constraint of the Superintendence (Rome, Italy)
5. 2023. Project for the installation of a temporary pavilion for an immersive exhibition in the archaeological area of the Giza plateau (Cairo, Egypt).
6. 2023. Final project for the restoration of the former Amicucci-Parmegiani paper mill, a long abandoned and dilapidated building in a landscape context under Superintendence constraint, in the historic centre of Tivoli (Italy), with Best Design.
7. 2023. Project for the rebuilding of the Admin Building in the Sounds & Lights Show area of the Giza Plateau, developed for OSL Entertainment projects (Cairo, Egypt).
8. 2023. Definitive and executive project and supervision of works for the renovation and overcoming of architectural barriers of a small building on the ground floor, in a landscape context subject to restrictions by the Superintendence in the historic centre of Tuscania (Viterbo, Italy).
9. 2022. Preliminary design for the construction of the visual arts and entertainment space 'The Dune', developed for OSL Entertainment projects in the archaeological area of the Giza plateau (Cairo, Egypt).
10. 2022. Preliminary design for the building replacement of shed A, a listed building of the Architecture Section of the Department of Structural and Geotechnical Engineering, located at the Faculty of Architecture complex in Valle Giulia, Via Antonio Gramsci 53.
11. 2022. Concept design for a temporary pavilion to host exhibitions and events in the Giza Plateau, developed for OSL Entertainment (Cairo, Egypt).
12. 2022. Researcher for the Sapienza-Roma-Tre-Luiss group for the development of the 'Tor Bella Monaca - Tor Vergata Integrated Plan', an eco-friendly renovation and reuse of existing building structures and public areas (Rome, Italy).
13. 2021- ongoing. Project manager for the whole production of the visual contents of the exhibition 'Ramses the Great and the Gold of the Pharaohs' - World Heritage Exhibition: management of the filming of the artefacts in Egypt, coordination of the design and printing of the catalogues, selection of the sites for the promotional video, direction of the production of the animations, 3D models and editing of the video contents of the exhibition.
14. 2021- ongoing. Project manager for the whole production of the visual contents of the exhibition 'Machu Picchu and the Golden Empires of Peru' - World Heritage Exhibition: management of the filming of the artefacts in Peru, coordination of the design and printing of the catalogues, selection of the sites for the promotional video, direction of the production of the animations, 3D models and editing of the video contents of the exhibition.
15. 2020. Study for a flexible multi-purpose dual intended use centre - hospitality and climate change observation and research - designed in the fragile environment of Praslin Island, Seychelles_Seychelles Integrated design approach to build a safe and sustainable dual intended use centre in Praslin Island
16. 2020. Coordinator of the Roma1TRE group during the 'Design workshop for the upcycling of social housing buildings in Tor Bella Monaca in Rome' (Rome, Italy).

17. 2020. Project manager for the production of all visual content of 'TUT Real Experience', an immersive exhibition at Palazzo Reale, Milan (Italy).
18. 2019. Project manager for the production of all visual content of 'TUT Real Experience', an immersive exhibition at the Narodni National Museum, Prague (Czech Republic).

Professional activities in architectural studios

1. 2019. Laboratoriorosso srl - Viterbo
2. 2019. Camaxx Workshop - Carlo Terzoli Architetto, Rome
3. 2018. Garcés - De Seta - Bonet I Arquitectes, Barcelona
4. 2017. Realisation of the physical models for the exhibition INTRAMOENIA. DiAP I Projects Department of Architecture and Project of Sapienza of Rome, at IUAV with Arch. Alessandra di Giacomo
5. 2015. Realisation of the physical model for the renovation of Villa Soletti, Porto Santo Stefano with Arch. Spartaco Paris
6. 2011. Internship at Mallinson Architects & Engineers, London

Achievement of prizes and awards for experimentation and design activities

2021. CGArchitect 3D Awards with the CGI short film 'Dissipatio' by Boris Cassata and Carlo Vannini. Winning project in the 'student film' category.

Training

2024. Certificate of 'Safety Coordinator in the Design and Execution Phase,

2021. Second Level Master's Degree in Digital Architecture (MADI) IUAV University, Venice

Final mark: 110/110 cum laude

2020. Architects' Licensing

2019. Single-cycle Master's Degree University of Rome, La Sapienza
Thesis: Rehabilitating Torrecchia - Architectural, energetic and structural redevelopment of tower buildings in the ERP district of Torrecchia (Rome)
1st speaker: Prof. Spartaco Paris 2nd speaker: Prof. Domenico Liberatore
Architectural Technology

Language skills

Mother tongue: Italian

Other languages:

English: Listening and Reading - B2; Production / Oral Interaction - B2; Writing - B2

Español: Listening and Reading - C1; Speaking Production/Interaction - B2; Writing - B1

Français: Listening and Reading - A2; Speaking Production/Interaction - A2; Writing - A2

**Levels: A1 and A2: Elementary level B1 and B2: Intermediate level C1 and C2: Advanced level*

I authorise the processing of my personal data in the CV in accordance with art. 13 Legislative Decree no. 196 of 30 June 2003 - 'Personal Data Protection Code' and art. 13 GDPR 679/16 - 'European Personal Data Protection Regulation'.

Rome, 28/11/2024

Arch. Carlo Vannini