

Niccolò Casiddu

FULL PROFESSOR (L. 240/10)

University of Genoa Department: Architecture and Design (DAD)

Tel: +39 010 2095673

Email: casiddu@unige.it

Scientific Disciplinary Sector 2024: CEAR-08/D Design

Scientific Disciplinary Group 2024: 08/CEAR-08 DESIGN, ARCHITECTURAL TECHNOLOGY, TECHNICAL ARCHITECTURE AND BUILT ENVIRONMENT MANAGEMENT

EDUCATION AND TRAINING

1986

Degree in Architecture, University of Genoa, Faculty of Architecture

ACADEMIC EXPERIENCE

2003 - 2005

Research Fellow in Design (SSD 08/C - ICAR 13) UniGE - Department of Architectural Sciences, University of Genoa, Polytechnic School

2005 - 2011

Researcher in Design (SSD 08/C - ICAR 13) UniGE - Faculty of Architecture, University of Genoa

2011 - 2016

Associate Professor of Design (SSD 08/C - ICAR 13) UniGE - DAD University of Genoa, Polytechnic School

Since 2016

Full Professor of Design (SSD CEAR-08/D Design) UniGE - DAD University of Genoa, Polytechnic School

ACADEMIC APPOINTMENTS

2006 - 2015

Co-Director of the Documentation Centre on Innovative Materials and Technologies AICAD (Atelier of Information and Construction for Architecture and Design), Faculty of Architecture

2016 - 2020

Vice President of the UNIGE-SimAV Simulation and Advanced Training Center, University Service Center for Simulation and Advanced Training

2013 - 2018

Coordinator of the Bachelor's Degree Course in Product and Nautical Design (L-4) UNIGE-DSA University of Genoa, Polytechnic School

2015 - 2018

Vice Director of the Department of Architectural Sciences UNIGE-DSA, University of Genoa, Polytechnic School

2018 - 2024

Director of the Department of Architecture and Design UniGE-DAD University of Genoa, Polytechnic School

QUALIFICATIONS

SCIENTIFIC RESPONSIBILITY FOR INTERNATIONAL AND NATIONAL RESEARCH PROJECTS, ADMITTED TO FUNDING BASED ON COMPETITIVE CALLS WITH PEER REVIEW

2024 – 2027

MOBIQUITY Regional FESR Program 2021 – 2027, Priority 1 Partners: T BRIDGE spa., UNIGE, Nextage S.r.L, LogOil S.r.L, Aitek S.p.A, AMT S.p.A, GGallery S.r.L. (Scientific Responsible: Prof. Niccolò Casiddu) Within the project aimed at developing and consolidating the competitiveness and attractiveness of the Ligurian system, the research particularly refers to innovation, digitalization, and accessibility of the urban and suburban public transport system. Specific Objective: increase the use and accessibility of public transport with physical and digital "for All" solutions. Period: 15.02.2024 – 15.02.2027

2022 – 2026

CiD 'Circular Design for bio-based innovation towards climate-neutral cities' ERASMUS+ "Partnerships for Innovation: Alliances," funded by CE EACEA LUH Hannover lead (PI: J. Schröder), UniGe-DAD Partner (Scientific Responsible: N. Casiddu, S. Pericu) With IAAC Barcelona, Ellen MacArthur Foundation, ARCES, ALDA Europe, Materion, Arch Fondas Vilnius, Ersilia Foundation, CNR Disba, TEI Tallinn, ACE Council EU. The project explores academic training and research methods for implementing circular design approaches based on bio-innovation and the valorization of production chains. UniGe-DAD is responsible for the Academic Programme (WP3) of multi-disciplinary teaching sessions and joint courses in the Product & Service Design curriculum to develop new green skills together with Materion and VET partners. Co-responsible for organizing international workshops and the local stakeholder observatory in Genoa. Website: <https://www.cid-innovationalliance.eu/>

2022 – 2025

NextGen EU 'RAISE – Robotics and AI for Socio-economic Empowerment' PNRR R&D 'Liguria Innovation Ecosystems', funding no. 1053 - DD. 3277/2021 Hub Partners: CNR lead (PI: M. Spagnulo) with UNIGE, CNR, IIT, Regione Liguria, FILSE, ANCI, CIMA, E.O. Galliera, E.O. S. Martino. UniGe lead WP5 – Spoke1 (Scientific Responsible P. Dameri; N. Casiddu) 'From inclusive technologies to inclusive smart cities'. In particular, UniGe-DAD coordinates the activities of the Living Lab for the adoption of technological demonstrators among local communities and Public Administration (Task 5.3) and the development of mappings on urban well-being and citizen services; Development of usage scenarios, urban regeneration strategies, and urban policies from a Smart City perspective (Task 5.4). Website: <https://www.raiseliguria.it/>

2022 – 2025

ReAct EU: AD'AGIO project - Municipality of Genoa MIUR-PON "Metropolitan Cities" 2014/2020 - Axis 6 Green, Digital, and Resilient Recovery Istituto David Chiossone Onlus lead, UniGe-DAD partner (Scientific Responsible: N. Casiddu) with Teseo, Humana Vox, PENELOPE network. The project develops an in-home support system for visually impaired elderly people, integrated with health-tech and AAL methods to postpone hospitalization or care as much as possible.

2021 – 2024

PRO_HOME Multiplat-Age MIUR-PON Network Project, funded by the Ministry of Health and Liguria Region E.O. Galliera lead (PI: A. Pilotto) and UniGe-DAD partner (Scientific Responsible: N. Casiddu). UniGe-DAD coordinates WP1 activities related to identifying innovative design solutions for hospitalized patients through a simulated domestic ecosystem across various regional pilot cases. The project aims to define user-centered solutions to maximize self-sufficiency, safety, and comfort for patients, family members, and healthcare professionals.

2020 – 2023

oMERO: an EU study program for visual disabilities for rehabilitation ERASMUS+ Network Project, funded by the Ministry of Health and Liguria Region The project explores training and research methods for developing physical, mental, and sensory rehabilitation services with a new transdisciplinary, user-centered approach through the use of ICT. Istituto David Chiossone Onlus lead, UniGe-DAD partner along with 7 international organizations: Mutualité PACA, Lietuvos Universitetas, Si4life, Provost, Trinity University Dublin, Umea University, and Université Côte D'Azur. Website:

<https://www.visualrehabilitator.eu/>

2015 – 2018

SI-ROBOTICS Active and Healthy Ageing through Social Robotics MIUR-PON European Social Fund R&I Project – Axis II ASR01-1120 (no. 3203) Exprivia lead and UniGe-DAD partner (Scientific Responsible: N. Casiddu) with several international partners. Transdisciplinary project on the integration of collaborative robotic technologies and user-centered solutions mediated by ICT to assist socio-medical personnel in providing assistance services, acting with socially acceptable behavior.

2013 – 2014

S.H.E.L.L. DIBE-MIUR "Made in Italy" industrial innovation project, Grant no. MI01_00303 UniGe-DAD Partner (Scientific Responsible: F. Mastrogiovanni, N. Casiddu) with various international SMEs. The project aims to implement robotic and intelligent environmental systems to support the aging population, in order to design assistance systems for people suffering from mental illnesses.

2012 – 2015

ROBOT ERA FP7-ICT challenge 5: Health, Ageing Well, Inclusion and Governance, Grant no. 288899 Scuola Superiore di Sant'Anna Pisa, Institute of Biorobotics lead and UniGe-DAD as partner (Scientific Responsible: N. Casiddu) European cooperation project for the integration of advanced robotic systems for the elderly population. Website: <https://cordis.europa.eu/project/id/288899/it>

2012 – 2014

3A – Assisted Environment for Elderly and People with Disabilities. POR-CRO Innovation and Competitiveness R&I Project – Axis I G37I-1100 (no. 10007) eRESULT srl lead and UniGE-DSA as Partner (Scientific Responsible: N. Casiddu) Pilot project on Smart Houses and assistive housing models through ICT for users with disabilities.

TEACHING OR RESEARCH ASSIGNMENTS (FELLOWSHIPS) AT QUALIFIED FOREIGN OR SUPRANATIONAL UNIVERSITIES AND RESEARCH INSTITUTIONS

A.Y. 2023 / 2024

Visiting Professor BUCT China, Lecturer for the Design Laboratory _ Italy-China Double Degree. Department of Design, BUCT Beijing University of Chemical Technology, Beijing (China). Period: 24.02.2024 – 18.03.2024

A.Y. 2022 / 2023

Visiting Professor BUCT China, Lecturer for the Design Laboratory _ Italy-China Double Degree. Department of Design, BUCT Beijing University of Chemical Technology, Beijing (China). Period: 27.12.2022 – 14.03.2023

A.Y. 2020 / 2021

Visiting Professor BUCT China, Lecturer for the Design Laboratory _ Italy-China Double Degree. Department of Design, BUCT Beijing University of Chemical Technology, Beijing (China). Period: 28.12.2020 – 26.03.2021

A.Y. 2019 / 2020

Visiting Professor Scuola Superiore di Sant'Anna di Pisa, Lecturer for the Advanced Training course "Intelligent Care. New technologies and personal protection" on Design Thinking in support of the development of new care models. The School is recognized as a public university research institute with special status recognized by MUR (Law 41 of 14/02/1987). Period: 16.04.2019 – 25.07.2020

A.Y. 2017 / 2018

Visiting Professor BUCT China, Series of Seminars + workshop "Design for all". Department of Design, BUCT Beijing University of Chemical Technology, Beijing (China). Institutional meetings regarding the activation of the Double Degree course. Period: 06.05.2017 – 14.05.2017

A.Y. 2013 / 2014

Visiting Professor BUCT China, Series of Seminars + workshop "The Design for weak users". Department of Design, BUCT Beijing University of Chemical Technology, Beijing (China). Institutional meetings regarding Italo-Chinese cooperation and joint university training programs. Period: 18.10.2014 – 25.10.2014

**DIRECTION OR PARTICIPATION IN EDITORIAL BOARDS OF JOURNALS, EDITORIAL SERIES, ENCYCLOPEDIAS, AND
RECOGNIZED PRESTIGIOUS TREATISES**

Since 2014

Member of the Scientific Committee of the "CARE DESIGN" Series Altralinea Edizioni, Florence

<https://altralineaedizioni.it/catalogo/collane/care-design/#tab-id-2>

2019 - 2024

Director of the GUD Genoa University Design Magazine, Stefano Termanini Editore.

<http://www.stefanotermaninieditore.it/portale/gud-design-2/about/>

Since 2024

Coordinator of the Scientific Committee of the "CARE DESIGN" Series Altralinea Edizioni, Florence, Editorial
Director Adriana Toti.

Since 2025

Member of the Scientific Committee of the "Design and Engineering Ecosystems (D+E)" series, Publisher:
PISA UNIVERSITY PRESS

**AWARDS AND RECOGNITIONS FOR SCIENTIFIC ACTIVITY, INCLUDING AFFILIATION WITH RECOGNIZED PRESTIGIOUS
ACADEMIES IN THE SECTOR**

Since 2010

Member of the Scientific Committee of the Italian Ambient Assisted Living Forum

2014 – 2022

UniGE Representative Member of the Italian University Design Conference (CUID)

Since 2014

Member of the Steering Committee of the Italian Ambient Assisted Living Association (AltAAL)

2022 - 2024

Member of the Steering Committee of the Italian Design Society (SID)

<http://www.societaitalianadesign.it/soci/elenco-soci/>

**RESULTS IN TECHNOLOGY TRANSFER IN TERMS OF PARTICIPATION IN THE CREATION OF NEW COMPANIES (SPIN-
OFFS), DEVELOPMENT, USE, AND COMMERCIALIZATION OF PATENTS**

2019

Development of national patent "System for neonatal transport" within the framework agreement
between UniGEDAD and Istituto G. Gaslini Genoa, filed no. SKF-254018 (date: 27-03-2019)

2013

Development of industrial patent for the European FP7 "Robot-Era" project (grant no. 288899) within the framework agreement between UniGE-DSA, Institute of Biorobotics - Scuola Superiore Sant'Anna di Pisa and MetraLabs GmbH Neue Technologien und Systeme. European FP7 "Robot-Era" project (grant no. 288899) for the implementation and integration of robotic systems for concierge and surveillance functions - filed 002295857-00 and intelligent environments for assisted home aging - filed 002295857-002 (date: 23-08-2013)

2007

Development of industrial patent within the framework agreement between UniGE-DSA and Idea System s.r.l. Genoa- Brixen for the design of the "CARE SYSTEM" kit for therapeutic, occupational, educational activities, filed no. VR2009A000072 PCT/IB2010/052360 code (date: 01-01-2007)

OTHER QUALIFICATIONS

2011 – 2013

Member of Working Group 5 "Housing, Urban & Rural Development" of **JPI More Years, Better Lives** H2020 challenge 5: Health, Ageing Well, Inclusion and Governance, Grant no. 288899, responsible for studies on Italy related to healthy and active aging through adaptation solutions for domestic and urban living spaces. Website: www.jp-demographic.eu

2020

Appointed by the Ministry of University and Research (MUR) as a member of **the Expert Commission for the National Research Program (PNR) 2021-2027** – Research and Innovation Area "Humanistic Culture, Creativity, Social Transformations, Inclusive Society," thematic area "Creativity, Design and Made in Italy"

2022

Member of the Faculty Board and **Coordinator of the "Design for Inclusion" curriculum, National Doctorate "Design for Made in Italy: identity, innovation and sustainability"** with administrative headquarters at the University of Campania "L. Vanvitelli"

2023

Appointed **MUR Commissioner for National Scientific Qualification (ASN)** SC 08/C1 – Design and Technological Architectural Design