

Niccolo' Casiddu

Full professor

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Education and training

1986

Degree in architecture

University of Genoa - Genoa - IT

Academic experience

2016 - ONGOING

Full professor

University of Genoa - Genoa - IT

Head of Department Architettura e Design

Work experience

1987 - 2005

Architect

Language skills

English

Independent

Teaching activity

Course holder:

'LABORATORIO TEMATICO DESIGN' (codocence, 3st year - 12 CFU) ICAR / 13,

Degree in Product and Nautical Design, Polytechnic School,

DAD, University of Genoa

Postgraduate research and teaching activity

Supervision of PhD students, residents and post-doctoral fellows

Since 2006 Member of the Faculty Board of the 'Architecture and Design'

PhD course at the University of Genoa

Supervisor of 12 doctoral theses and various research grants

Research interests

Full Professor of Design (SSD 08/C – ICAR 13) and Director of the Department of Architecture and Design (UNIGE-DAD), Università degli Studi di Genova, Polytechnic School. Coordinator of Bachelor Degree Courses in Product Design and Nautical Design (L4) since 2013 and Scientific Committee member of the Italian University Conference of Design (CUID) since 2014. Vice President of the UNIGE Simulation and Advanced education Center (SimAv <https://simav.unige.it/>) since 2016.

In 2020 he was appointed by the Ministry of University and Research in the Commission of experts for the preparation of the National Research Program (PNR) 2021-2027 for the Area Thematic 'Creativity, Design and Made in Italy' of the Great Area of Research and Innovation 'Humanistic Culture, Creativity, Social Transformations, Society of Inclusion'.

Expert member for Italy in the Working Group 5 'Housing, Urban-Rural development & Mobility' in the European project JPI More Years Better Lives – The Potential and Challenges of Demographic Change (PI: Prof.

Bovenschulte IIT, Berlin www.jp-demographic.eu) regarding adaptation of living spaces for Active Healthy Ageing and Silver Economy.

Since 2010 he is member member of the Scientific Committee of the Italian Forum Ambient Assisted Living, and since 2014 he's member of the Board of Directors of the Italian Ambient Assisted Living Association (AltAAL), working specifically on the implementation of **Information and Communication Technologies** (ICTs) and **Robotics** for the improvement of living comfort and the **domiciliation of services for elderly people**. In 2017 he was the Scientific Director of the 8th International Conference ForItAAL organized in Genoa at the Department of Architecture and Design (UNIGE-DAD). Since 2014, he is member of the Scientific Editorial Board for the editorial series 'CARE DESIGN. The project of humanization', Altralea Edizioni, Florence (Editor-in-chief Adriana Toti).

His research interests focus on the technological innovation for **public accessibility and usability of spaces, environmental design practices, Ambient Assisted Living** (AAL) and **User-centred Design strategies** to improve the life quality of weak users even in the presence of cognitive impairment associated with Ageing or Pervasive Developmental Disorders. Since 2003 develops didactic activities and design-oriented research with special attention on materials innovation in product design, the implementation of new technologies for augmented domesticity through AAL and user-centred design solutions, with particular regard to weak users even in the presence of cognitive impairment associated with aging or Pervasive Developmental Disorders.

In 2007/2008 is responsible for the scientific research project of the University of Genoa (SSD ICAR/13 Area 08) 'DESIGN AND COGNITIVE DEFICIT. Concept, products and services', developed in 2009 with the introduction in the market of a kit for therapeutic activities, employment and education called 'CARE SYSTEM', protected by Patent for industrial invention n ° IT VR2009A000072 and International PCT/IB2010/052360 by Idea System srl - Genoa - Brixen.

In 2010, joins, as a proposer, to the MAST - Materials Science and

Technology Research Center for Interdisciplinary Materials Science and Technology - University of Genoa.

In 2012 is scientific responsible for the assignment to the DSA-UniGe, as part of the Industrial Innovation Project N. Progr. 11359 'Made in Italy' (D.M. 5 March 2008) by DIBE – processional code n. MI01_00303 - concession decree n. 00070MI01 'S.H.E.L.L. A Secure Habitat for an Enhanced Long Living '.

In 2012 is principal investigator of the research framework between DSA-UniGe and Biorobotics Institute of the Sant'Anna School of Advanced Studies in Pisa for the project 'Robot-Era. Implementation and integration of advanced Robotic systems and intelligent Environments in real scenarios for the aging population'.

In 2012 is scientific responsible of the research contract between DSA-UniGe and eResult S.r.l., for the project 'A - Assisted Ambient for Seniors and People with Disabilities'.

In 2013 is scientific responsible of the research contract between DSA-UniGe, and INRCA, Ancona for the project 'Smart home for an active and independent longevity of the Senior'.

In 2013 is scientific leader/responsible of the University research project, University of Genoa, Area 08/C1 S.S.D. ICAR / 13 'Interface Design: robotics & interaction for AAL.'

In 2018 he was scientific director of a research framework agreement between DAD-UniGe and the Giannina Gaslini Institute for the development of projects of common interest in the field of assistance.

In 2019 he is scientific responsible of the research contract between DAD-UniGe and the Savona Museum of Ceramics Foundation for the enhancement, with a Virtual Reality project, of the ceramic work 'City' of the utopian architect Yona Friedman.

In 2019 he is scientific responsible of the UNIGE-DAD Partner in the PON Project 'SIROBOTICS - Healthy and active aging through Social ROBOTICS' funded under the Notice for the presentation of industrial research projects and experimental development in the 12 areas - Admission decree to the loan no. 3203 of 03/12/2018.

In 2020 he is scientific responsible of the collaboration agreement between DAD-UniGe and the Department of Electronic Engineering of the University of Studies of Rome Tor Vergata concerning studies aimed at encouraging prevention in subjects suffering from dysphagia by vocal analysis.

In 2020 he is the scientific responsible for a grant provided by the University of Genoa aimed at the activation of a research grant concerning the 'Design and communication of a smart environmental model for the simulation of care and assistance domiciliary '.

Editorial activity

Since 2014 he's member of the Scientific Editorial Board for the series 'CARE DESIGN. The project of humanization', Altralea Edizioni, Florence, Editorial Director Adriana Toti

Since 2019 he is the Director of the GUD Genova University Design magazine, Stefano Termanini Editore.

Assignments abroad

In 2014 and 2017 he is at the Design Department of Beijing University of Chemical Technology (BUCT), Beijing (China), holding a series of lectures and a workshop on 'Design for all', and institutional meetings on Italian-Chinese cooperation and the activation of the double degree course in Design.