

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

Chair of the Bachelor's Degree (L4) in Product and Nautical Design

Work experience

1987 - 2005

Architect

Language skills

English

Independent

Teaching activity

Course holder:

'Materials and components for design' (1st year - 8 CFU) ICAR / 13,
Degree in Product and Nautical Design, Polytechnic School,
DAD, University of Genoa

'Design laboratory 1' (codocence, 1st year - 6 CFU) ICAR / 13
Master's Degree in Product and Event Design, Polytechnic School,
DAD, University of Genoa

'Interaction design' (codocence, 1st year - 6 CFU) ICAR / 13
Master's Degree in Digital Humanities - Communication and New Media,
Polytechnic School,
Dibris, 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

Graduated in architecture, currently Full Professor at the Department Architecture and Design of the Polytechnic School, University of Genoa for the scientific sector ICAR/13 INDUSTRIAL DESIGN where he develops didactic activity and research, oriented to the issues of Design for the weak users, with special attention on new technologies features. He is specialized in finding solutions and strategies to improve the quality of life for weak users even in the presence of cognitive impairment associated with aging or Pervasive Developmental Disorders, defining the guidelines, concepts and projects with a User Centered Approach Design.

On these issues he has been appointed to the research grant for the program 'Strategies and methodologies of design and technological research for the usability and accessibility of public and private living spaces'. The basic stages of the academic activity are summarized in the roles in various research activities. In 2001/2003 participated, as coordinator, to the research 'Adaptability of residential spaces for aged weak users'. The results of the research are collected in the book 'Anziani a casa propria. Linee guida per adeguare spazi e oggetti' of which the candidate is the author.

In 2003/2004 is awarded with a research grant for the program 'Strategies and methodologies of design and technological research for the usability and accessibility of public and private living spaces' (2 year) -ICAR/13 established at the University of Genoa.

The research is oriented to the integration of design solutions and innovative technologies in domestic contexts with attention to the needs of people with special needs. In 2005/2006 is the coordinator and chief operating officer of the research 'The therapeutic space. Environment as a method of caring for a person with dementia' (Chief: Prof. MB Spadolini). In 2005/2006 is the coordinator and chief operating officer of the experimental research 'The technological evolution of the design and production processes of ceramics'.

In the years 2006/2007 with the research 'The design for the therapeutic space: projects, products, habitat' of which is scientific responsible, continues the studies on the design solutions that propose to improve the living conditions of people with Alzheimer's disease. In 2006/2008 is the coordinator and chief operating officer of the research 'residential spaces and public spaces for all users' (chief: Prof. MB Spadolini). It proposes solutions to build new affordable and adaptable houses because of changed conditions of people in residential areas. The results of the research are collected in the book 'Il valore dell'accessibilità' of which is the author.

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 an integrated system for educational activities for children and employment for older people and people with Alzheimer's. 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.

Since 2010 is a member of the Scientific Committee of the Italian Forum Ambient Assisted Living, which is incorporating the results of national research related to the use of ICT and robotics technologies to enable elderly to stay safe and comfortable in their homes.

In 2011 is scientific chief of the research 'environments for weak users with special attention to need related to cognitive impairment,' which emphasizes how the approach of design centered on people's needs, is essential to make accepted and accessible the potential of new technologies. Since 2011 is expert member for Italy in the Working Group 5 'Housing, Urban & Rural Development' as part of the Joint Programming Initiative 'More Years Better Lives - The Potential and Challenges of Demographic Change'.

In 2012 is scientific responsible for the assignment to the DSA Industrial Design, University of Genoa, 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 Industrial Design, University of Genoa 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 Industrial Design, University of Genoa 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 Industrial Design, University of Genoa, 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.'

Since 2014 is member of the Board of Directors of the Italian Ambient Assisted Living Association (AIaAL).

In 2014 is appointed member of the Scientific Editorial Board for the series 'CARE DESIGN. The project of humanization', Altralea Edizioni, Florence, Editorial Director Adriana Toti

In 2017 is scientific director of the 8th edition of the Italian Ambient Assisted Living Forum, ForItAAL, organized in Genoa at the Department of

architecture and Design.

Editorial activity

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

Assignments abroad

In 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.