

Macchiavello ALESSIA

Architect

LANGUAGES

English:

Excelent (C1 level certificate by Toeic examination)

French:

Intermediate level

Spanish:

Basic level

Portugues:

Basic level

SOFTWARE

AUTOCAD : ● ● ● ● ●

ARCHICAD : ● ● ●

REVIT : ● ●

PACCHETTO

ADOBE : ● ● ● ●

PACCHETTO

MICROSOFT : ● ● ● ●

TITLES AND EDUCATION

In progress - **PhD candidate** at **Politecnico di Milano**/Department of Architecture and Urban Studies, course in 'Architectural, Urban and Interior Design'.

Research project: The housing issue in the countries of the Global South: a methodological framework to define innovative housing solutions and policies in the informal urban settlements of Sub-Saharan Africa.

Abstract: The research project aims to analyse the housing issue in the countries of the Global South, where access to decent housing is limited, if not entirely precluded, for millions of people. In addition to analysing the phenomenon, the research will focus on strategies to guide a process of developing affordable, low environmental impact housing, maximising social acceptability, architectural and urban quality.

2019 - **Master post laurea I livello Emergency & Resilience - IUAV, Università di Venezia**, 110/110. Thesis: *WASH- Water Sanitation and Hygiene in Tanzanian schools*. Relatore: Jorge Lobos

Abstract: Access to improved sanitation is a challenge, especially in developing countries. Schoolchildren are particularly exposed to the effects of unsafe water, sanitation and hygiene and, according to Raleigh Tanzania (2017), about 84% of schools do not have functional handwashing facilities and only 1% provide soap to their pupils. WASH in Tanzanian schools had been neglected by officials in the water, health and education sectors. The construction of latrines in schools did not keep pace with the increase in enrolment and the abolition of primary school fees in 2002. In addition, less than 10% of schools have functioning hand-washing facilities. This thesis aims to investigate how and whether the WASH system can be improved in rural schools in Tanzania. The methodological process consists of two phases: firstly, the analysis of various official reports, articles and literature on the topic, conducted in contexts similar to those of the proposed case study, with the aim of identifying problems and exploring possible solutions. Secondly, through a pilot project conducted in Maji Moto, a Masaai village in the north of the country, where there is no available infrastructure and where the health system throughout the village is precarious. The aim is to understand the limits of possible interventions because, although on paper the solutions may be brilliant, when you then come up against the harsh reality of rural villages, the work of experts has its limits. All this leads to projects that certainly improve the situation but do not completely solve the problem. The intervention that can clearly improve the situation is community education to promote awareness of WASH among the community and to facilitate behavioural change.

2018 - **Master's degree** in architecture from **Politecnico di Milano**, School of Architecture Urban Planning Construction Engineering, 100/100 with honours. Thesis: The role of architectural project in the inclusive design process. The case of Culpra Station, a remote aboriginal community. Supervisor: Laura Montedoro, co-rapporteur: Mauro Baracco (RMIT University, Melbourne).

Abstract: Can architecture be a common language between different cultures? Can architectural design really be seen as a methodology of reconciliation and help in a process of awareness and education? If yes, with which tools and methods? This thesis aims to be a reason to reflect on the role that an architectural project can play in the face of complex cultural and linguistic barriers. The field of investigation is a remote Australian Aboriginal community, where the difficulties are represented not only by the conditions of global-south, but also, and above all, by the difficult coexistence between Aboriginal and

Western cultures, accentuated by the social scar left by the invasion. This thesis aims to answer these questions, exploring the concept of co-participation in design in different contexts, prefiguring a research field that compares two cultures. The architectural project becomes a means of dialogue, research and cooperation in which the designer listens, accepting confrontation and cooperation, exploring unknown areas and adapting to a new and different

2014 - **Bachelor degree** in Architecture at **Politecnico di Milano**, Campus Milano Bovisa, Faculty of Science of Civil Architecture, 105/110

2011- **Artistic high school**, Liceo Paolo Candiani, Busto arsizio, 85/100

WORK EXPERIENCES

October 2022 - On going : **Project manager** and **Technical Coordinator Construction Sector** at **Istituto Oikos**.

January 2022 - July 2022: Research and consultancy for **Politecnico di Milano** for "Progetto per la definizione di un modello abitativo sperimentale e sostenibile da inserire nel quartiere di Chamanculo c a Maputo" with the NGO **Avsi** for the project **RIGENERA**.

July 2021 – On going: Consultant Architect for **Fondazione E35** and **CNACCP**. **MAISPEMBA** - Planeamento e regeneração urbana.

July 2020 – November 2020: Consultant Architect for **Politecnico di Milano**. Development of a flexible housing module in Pemba (for the project **DECORPEMBA**) in collaboration with the NGO **Avsi** for **Fondazione E35**.

February 2019 – July 2020: Consultant Architect for **Politecnico di Milano**. Research activities within the project "Boa_Ma_Nhã, Maputo! a study for the integrated development of the Boane, Moamba, Namaacha Region, in Mozambique", **Polisocial Award 2018** .

August 2018 – on going: **C-re-a.i.d NGO**. I am responsible for the local development project in the Tanzanian village of Maji Moto. I was first involved as a volunteer in the design and construction of the dispensary in Maji Moto before becoming project manager of the primary school renovation and extension project. I followed the design of the general master plan and directed the construction of the first new classroom. I am developing the design for the new toilet block of the school with the aim of improving the infrastructure.

June 2018 – on going: **PR5 studio** is a collective of architects that investigates themes related to human activities with the aim of designing by enhancing the built environment, the conservation of the territory, the exploration of social and urban dynamics. within the studio I deal with interior projects.

November 2019 – January 2020: **SAWA**. Non-profit organisation. The Panacea project was located in Thailand, north of Bangkok, in Muak Lek. The project involved the construction of an educational centre based on permaculture principles and the design of natural buildings. In particular, I was involved in the design of the toilet buildings, with a design that responded to the principles of permaculture, allowing waste to be recycled for use in cultivation.

October 2014 – December 2014: **Archiblah, Gabriele M. Bossi Architecture Studio**

September 2013 – February 2014: **BEMaa** – *Ombra Bruno Christiane Egger Paolo Mazzoleni Architetti Associati, Architecture Studio* (Milano, Italy). I have carried out various tasks, from residential projects to participation in the 'AtelierCastello' competition for the reorganisation of Piazza Castello in Milan.

NATIONAL AND INTERNATIONAL DESIGN WORKSHOPS

- **International Workshop 1+1=11. 30 alberi per ritornare** by Emergency Architecture & Human Rights / Iuav-EAHR Master Emergency & Resilience. 1-7 marzo 2019, L'Aquila. (With association Viaviamolaq).

Professor: Jorge Lobos

- **International Workshop of Architectural and Urban design Beyond the wall.** *Ideas for a reuse of military barrack Mascheroni*, Scuola di Architettura Civile, Politecnico di Milano 2-14 maggio 2014, Milano. (With Fakultät Architektur und Bauingenieurwesen, Hochschule für angewandte Wissenschaften, Würzburg-Schweinfurt).

Professor: Laura Montedoro

- **Progetti per Milano. Idee per la città dalla ridestinazione delle caserme e delle aree militari**, Scuola di Architettura Civile, Politecnico di Milano, Milano 2014.

Professor: Laura Montedoro and Stefano Guidarini

ACADEMIC ASSIGNMENTS

2021 - **Professor** in the MODULE C - INTERNATIONAL DESIGN WORKSHOP - within the **first and second level Master - DESIGN FOR DEVELOPMENT Architecture, Planning and Heritage in the Global South.**

2020/2021 2° semester - Activity of **support to teaching** within the course of studies in ARCHITECTURE AND URBAN DESIGN, held by Prof. MONTEODORO LAURA - Politecnico di Milano

2020/2021 1° semester - Activity of **support to teaching** within the course Urban design, held by Prof. MONTEODORO LAURA - Politecnico di Milano

2019/2020 2° semester - Activity of **support to teaching** within the course of studies in ARCHITECTURE AND URBAN DESIGN, held by Prof. MONTEODORO LAURA - Politecnico di Milano

2020 - **Professor** in the Design Workshop 3 - Planning strategies for integrated regional development of rapidly urbanizing areas - within the **first and second level Master - DESIGN FOR DEVELOPMENT Architecture, Planning and Heritage in the Global South.**

PRIZES, AWARDS, SCHOLARSHIPS

2021 - Won the call for tenders by CNAPPC for the project "**MAIS PEMBA**: a city to city and multistakeholder approach for an integrated, sustainable and inclusive urban development of the city of Pemba". Within the framework of this project, I will participate in workshops for young architects (under 40), for the definition of guidelines on 3 pilot projects in a participatory process of involvement of local communities with a working group formed by 2 Italian architects + 2 Mozambican architects.

2019 - Special mention **award "Michele Silvers"**, Politecnico di Milano, with the thesis *The role of architectural project in the inclusive design process. The case of Culpra Station, a remote aboriginal community.*

2017 - Won scholarship "**Tesi all'estero**", Politecnico di Milano.

Autorizzo al trattamento dati ai sensi del GDPR 2016 /679 del 27 aprile 2016 (Regolamento Europeo relativo alla protezione delle persone fisiche per quanto riguarda il trattamento dei dati personali). Autorizzo la pubblicazione del Curriculum Vitae sul sito istituzionale del Politecnico di Milano (sez. Amministrazione Trasparente) in ottemperanza al D. Lgs n. 33 del 14 marzo 2013 (e s.m.i.).

