

# low cost design strategies and communication

mekelle university and unlimited jakub cigler architekti

MU and JCA  
together

**WORKSHOP** for archi-students

respect, adaptation, sustainability, community, affordability, flexibility, quality, commitment





# GOOD AFTERNOON





WHO ARE WE?

ABOUT JCA

NICE TO  
MEET YOU!!!

ABOUT JCA & ME

YOU

TODAY

THEY

US

WORK

LOW  
COST

???

WHO?





November 2001 in Prague, cz  
Jakub **Cigler** (cz)  
Vincent **Marani** (usa)  
90 architects and engineers

March 2015 in Prague  
and Moscow  
Jakub **Cigler** (cz)  
and 90 architects and engineers

one of the founding members  
of the **Association of the Czech  
Green Building Council**

residential and office buildings,  
shopping centers and hotels;  
new buildings and renovations.  
cultivating the public space  
and improving urbanism.

dialogue  
between  
the inner and  
outer space  
and a significant transparency  
of the green space.

[www.jakubcigler.archi](http://www.jakubcigler.archi)

ABOUT JCA & ME

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**jakub cigler architekti**















# AWARDS

several awards for its work,  
both **at home** and  
**abroad**

Club for Old Prague Award  
new building in the historic city  
2002  
Project Portheimka Center , Prg

Dušan Jurkovič Award  
2009  
Digital park, Bratislava, sk

Building of the year – cz  
2009  
sofia Airport Center, Sofia, Blgr

Intrntnl Design Awards  
2nd prize  
2011  
Los Angeles, USA  
The Park, Prague, Cz

Building of the year  
2012  
Sofia Airport Center, Sofia, Blgr

International Design Awards –  
2nd prize  
2012  
Los Angeles, USA  
Sofia Airport Center, Sofia, Blgr

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unlimited  
jakub cigler architekti

WHY?



The architecture is more than a **DESIGN**,  
it can **solve** and create **PROBLEMS** at the same time.

Good quality architecture is **NATURAL**.

If it works, it promotes the **DEVELOPMENT**. The inspiring environment is the background for **progress**.

It is not only about physical protection and shelter, when the basic needs are fulfilled, people search for **MOTIVATION** and **stimulus**. They find it in their surroundings.

The **GLOBALIZATION** has brought the **indifference** to sites, traditions, cultures and the effect on people's lives. Many designs ignore the climate and local demand, which creates the international energy problem.

The architecture doesn't have one vulgar language, it shouldn't be simplified, and in contrary it should consider each design **INDIVIDUALLY** with respect to **vernacular** aspects.



# WHAT?

∴ TO ASSIST TO IDENTIFY **SUSTAINABLE** ARCHITECTURAL PRINCIPLES ∴

∴ TO PROMOTE **NEW** TECHNOLOGIES AND IDEAS IN ARCHITECTURAL DESIGN WHILE **RESPECTING** THE SPECIFICITY OF A COMMUNITY ∴

∴ **AWARENESS** RAISING ∴

∴ TO PROMOTE **PRESERVATION** OF THE INTERNATIONAL ARCHITECTURAL AND CULTURAL **HERITAGE** ∴

∴ MULTI-DISCIPLINARY **EXCHANGE** BETWEEN ARCHITECTS AND OTHER PROFESSIONALS AND STAKEHOLDERS ∴

∴ TO INTERCONNECT HUMANITARIAN, ACADEMIC AND PRIVATE SECTOR – MULTI-STAKEHOLDER **PARTNERSHIP** ∴

∴ TO PROMOTE ARCHITECTURAL **EDUCATION** AND TO FACILITATE EXCHANGE AMONG ARCHITECTS, STUDENTS AND TEACHERS OF ARCHITECTURE WORLDWIDE ∴



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# WHAT?





# WHAT? ... PROJECTS

CZECH TECHNICAL UNIVERSITY  
FACULTY OF ARCHITECTURE

ABOUT JCA & ME

YOU

TODAY

THEY

US

WORK

LOW  
COST

???

les ateliers

les mosquées  
de BANI

Kafuṭi

EiT-M

Ethiopian Institute of Technology – Mekelle  
የኢትዮጵያ ቴክኖሎጂ ሲስተም  
Mekelle University  
የሜኬሌ ዩኒቨርሲቲ





# WHAT? ... ETHIOPIA

# EiT-M

Ethiopian Institute of Technology – Mekelle  
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Mekelle University  
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ABOUT JCA & ME

YOU

TODAY

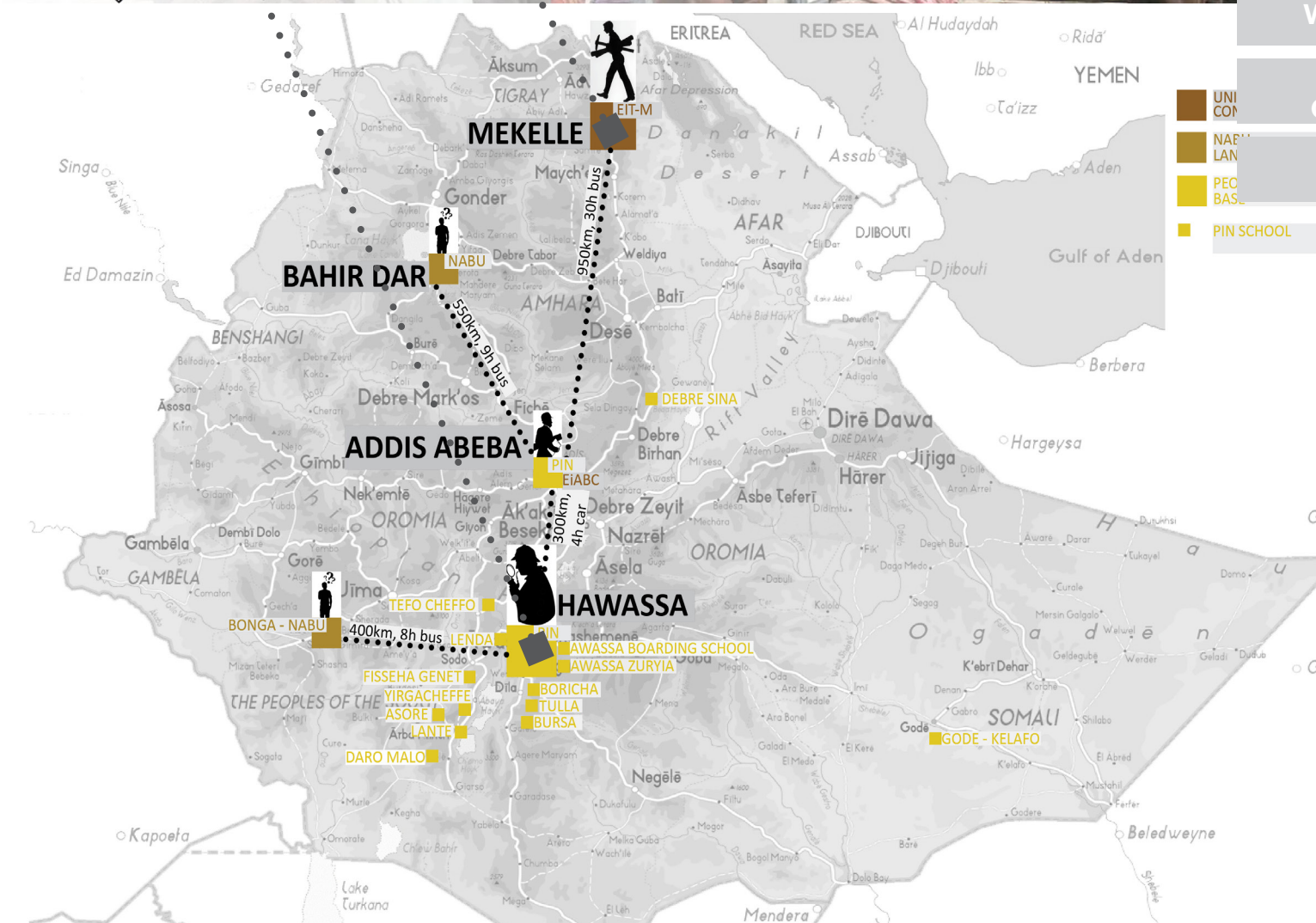
THEY

US

WORK

LOW  
COST

???



The newly established section of CMA studio was founded on reflecting the sustainability of world-wide architecture, the good quality accessibility, sharing of experience.

It is clear that good architecture is not about money, it is about ideas.



## THINK GLOBALLY, ACT LOCALLY!!!

MEKELLE UNIVERSITY AND CIGLERMARANI UNLIMITED

MU AND CMU

TOGETHER



WORKSHOP FOR ARCHI-STUDENTS

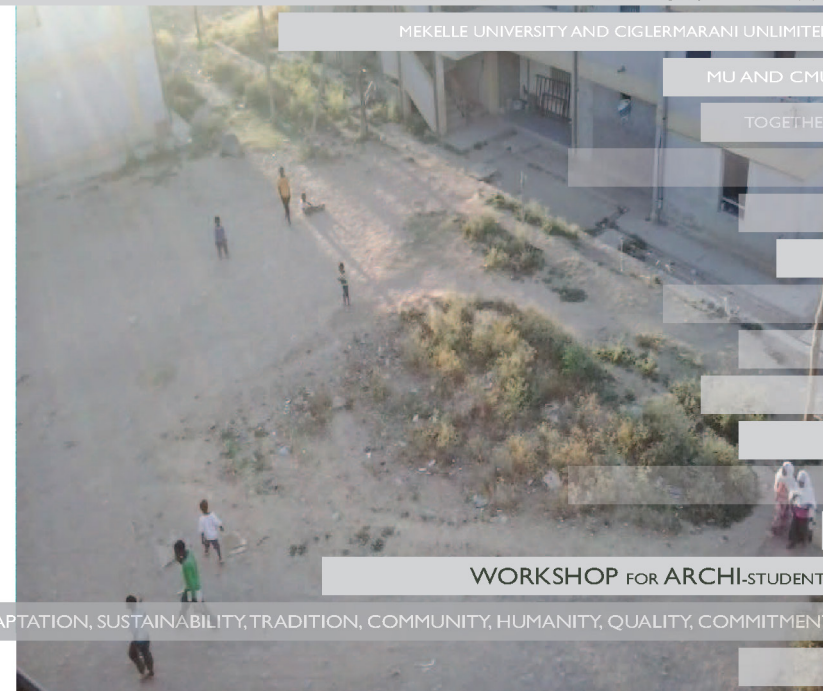
RESPECT, ADAPTATION, SUSTAINABILITY, TRADITION, COMMUNITY, HUMANITY, QUALITY, COMMITMENT

## FIND IT AND USE IT!!!

MEKELLE UNIVERSITY AND CIGLERMARANI UNLIMITED

MU AND CMU

TOGETHER



WORKSHOP FOR ARCHI-STUDENTS

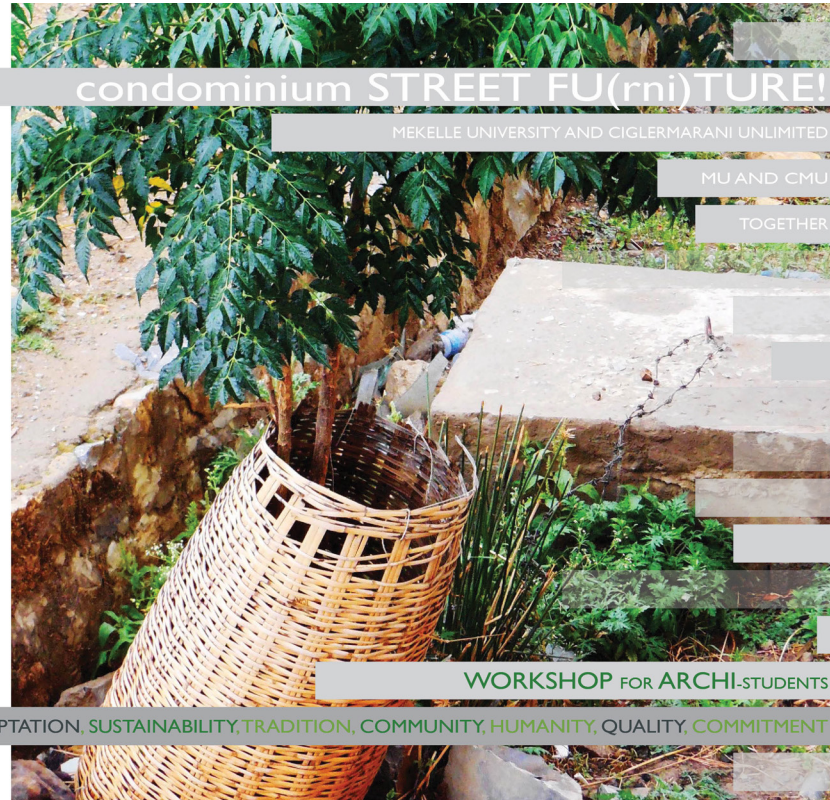
RESPECT, ADAPTATION, SUSTAINABILITY, TRADITION, COMMUNITY, HUMANITY, QUALITY, COMMITMENT

## condominium STREET FU(rni)TURE!

MEKELLE UNIVERSITY AND CIGLERMARANI UNLIMITED

MU AND CMU

TOGETHER



WORKSHOP FOR ARCHI-STUDENTS

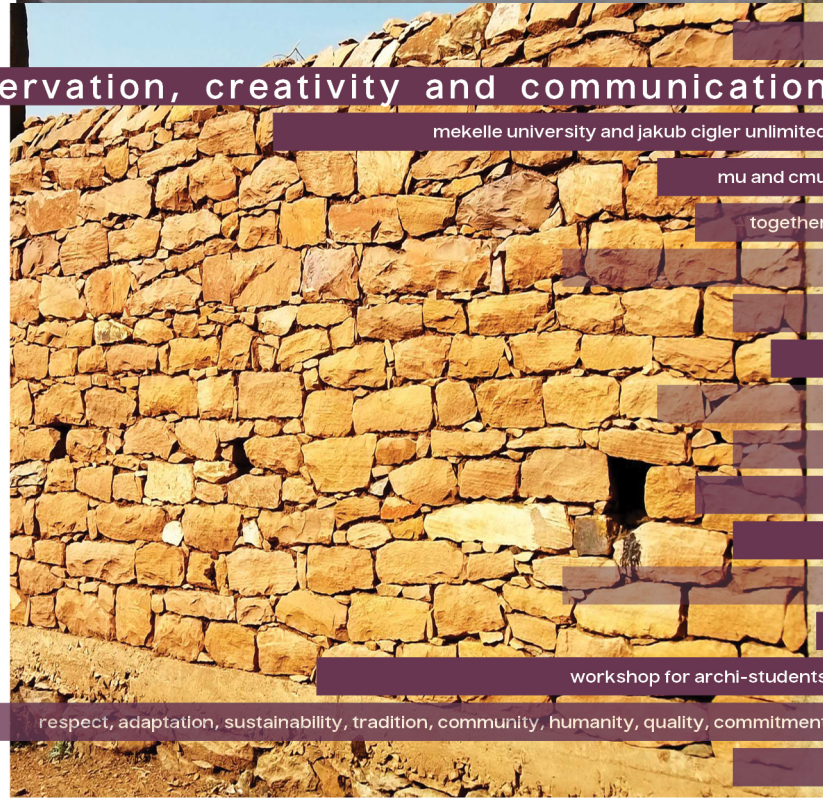
RESPECT, ADAPTATION, SUSTAINABILITY, TRADITION, COMMUNITY, HUMANITY, QUALITY, COMMITMENT

## conservation, creativity and communication

MEKELLE UNIVERSITY AND JAKUB CIGLER UNLIMITED

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TOGETHER



WORKSHOP FOR ARCHI-STUDENTS

RESPECT, ADAPTATION, SUSTAINABILITY, TRADITION, COMMUNITY, HUMANITY, QUALITY, COMMITMENT



11/2014





11/2013







05/2014



11/2014





11/2014





11/2013



THANK YOU  
FOR YOUR ATTENTION  
ENJOY  
YOUR BAYAYNET!

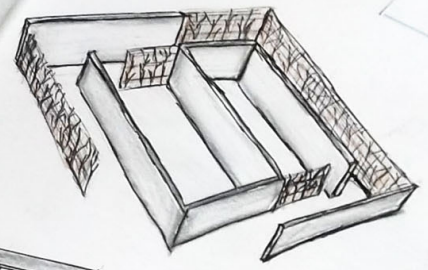
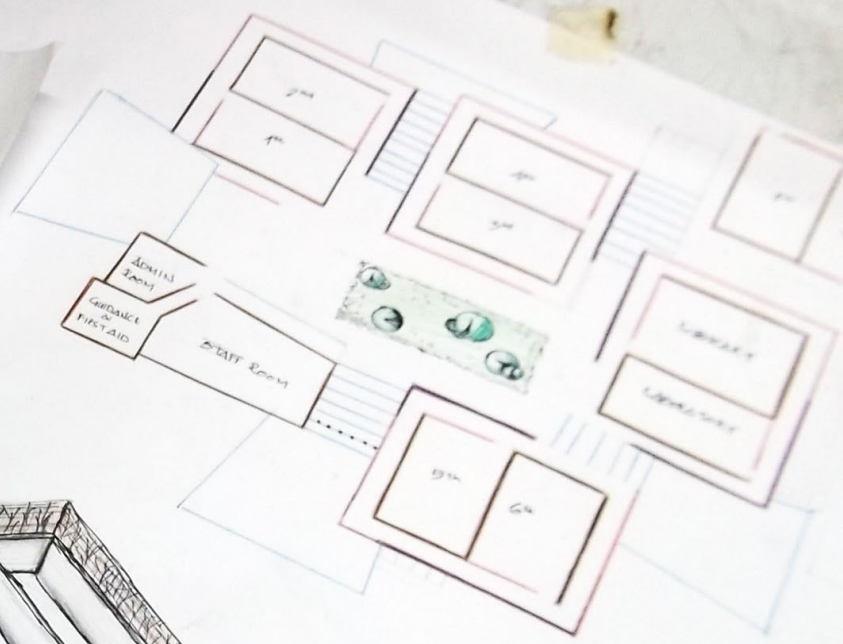


11/2013

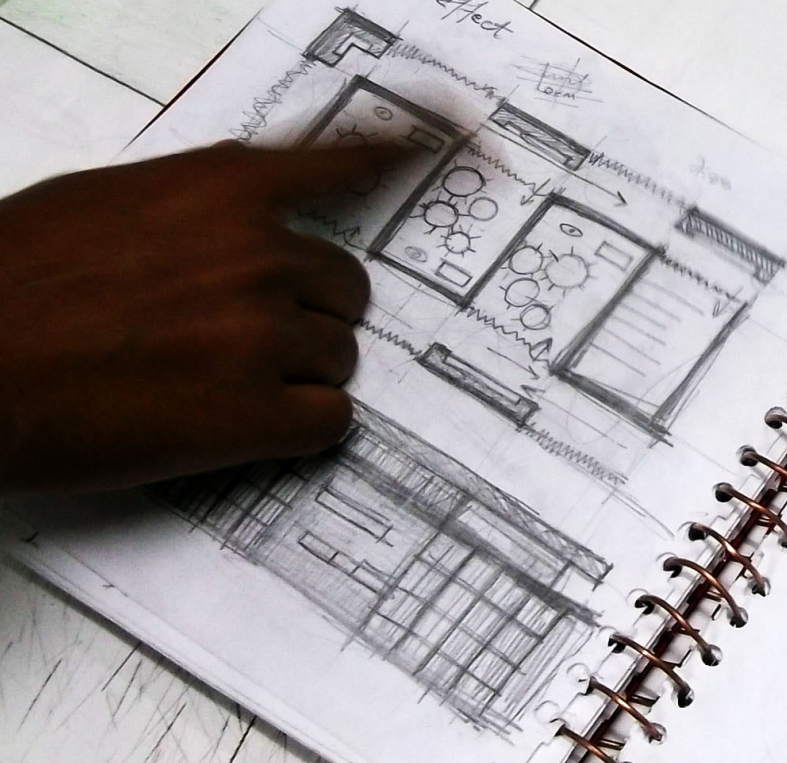




11/2013



Stack effect



- lack of space  
- Air mass  
- Total  
- Local  
- Game Area  
- 7 properties  
- 7 properties  
- Definition



- location  
- previous  
- 5-6



05/2014







10/2013



11/2013









11/2013







10/2013





10/2013





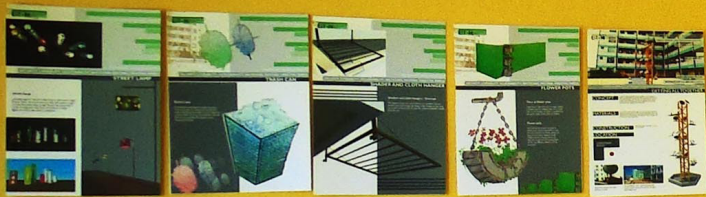
10/2013



10/2013







11/2014



WHO ARE YOU?

ABOUT MU & U



# WHAT? ... EIT-M...

**EiT-M** Ethiopian Institute of Technology - Mekelle  
የኢትዮጵያ ቴክኖሎጂ ኢንስቲትዩት - ሜኬሌ  
Mekelle University  
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ME

ABOUT MU & U

TODAY

THEY

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LOW  
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???





TODAY



ME

YOU

TODAY

THEY

US

WORK

LOW  
COST

???

low cost





ME

YOU

TODAY

THEY

US

WORK

LOW  
COST

???

# low cost

UNDER CONSTRUCTION , ADDIS ABEBA



# low cost

ME

YOU

TODAY

THEY

US

WORK

LOW  
COST

???



ME

YOU

TODAY

THEY

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WORK

LOW  
COST

???

low cost







ME

YOU

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???





**WHERE  
IS THE  
KEY?**



# OUR GOAL IS

to support **CREATIVITY**, innovation and **DYNAMIC** low-cost and **SUSTAINABLE** design, to transform the existing potential into something **VITAL** and radical in a decent and appropriate way, to question the roles of actors and to review its **DISTRIBUTION**, to evaluate the **ACCESSIBILITY** and **AVAILABILITY** of the design to find ways how to perceive, understand and deal with **LOCAL** wealth and people's needs, how to activate remoted areas, **HIDDEN** spots, how to turn them into the places overflowing with **UNIQUENESS** and **INSPIRATION**, how to attract the people to **CARE** about it, how to think **PROGRESSIVELY** and **SUSTAINABLY**, how to contribute to the **DEVELOPMENT**, how to respond to the aspiration of people...



LET US COOPERATE



OUR GOAL IS

to support **CREATIVITY**, innovation and **DYNAMIC** low-cost and **SUSTAINABLE** design, to find ways how to perceive, FEEL, understand and **deal with public spaces**, with neglected **areas**, **HIDDEN** spots, desolate **spots**, how to TURN THEM into the places **OVERFLOWING WITH INSPIRATION** and MOTIVATION, how to **REVIVE** it to attract the people to care about it, how to think progressively and **SUSTAINABLY**, how to engage community HOSPITALITY, the contribution to the **DEVELOPMENT...**



WHEN? ...

ME

YOU

TODAY

THEY

LET US COOPERATE

WORK

LOW  
COST

???

UPCOMING  
DAYS





# WHEN? ...

ME

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TODAY

THEY

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STRUCTURE AND TIMEFRAME: short term (7days) brainstorming session on the low cost design principles in the context of Mekelle or small size city

2	Tue 2016/04/19	am	8h30-10h30	lecture intro + videos
3	Wed 2016/04/20	am	8h30-10h30	lecture about low cost design cases + videos
4	Thu 2016/04/21	am	8h30-10h30	lecture bout low cost design strategies + videos
5	Fri 2016/04/22			day off
5	<b>Sat 2016/04/22</b>	am	<b>8h30-12h30</b>	<b>task setting + group selection + analysis +video</b>
6	<b>Mon 2016/04/25</b>	<b>am</b>	<b>9h</b>	<b>intense group work</b>
7	Tue 2016/04/26	am	<b>9h</b>	<b>intense workshop</b>
		pm	17h	<b>deposition of final presentations in pdf and idd</b>
8	<b>Wed 2016/04/27</b>	am	<b>9h</b>	<b>final presentation of your designs in front of the teachers, other students and guests</b>
			11h50	conclusion, discussion on on your design with audience
		pm	<b>15h00</b>	<b>the final discussion and debriefing and certificating</b>





**PRESENTATION  
IS ON NEXT WEDNESDAY...**



# low cost design strategies and communication

mekelle university and unlimited jakub cigler architekti

## WORKSHOP for 5<sup>TH</sup> year archi-students

to support creativity, innovation and dynamic low-cost and sustainable design, to transform the existing potential into something vital and radical in a decent and appropriate way, to question the roles of actors and to review its distribution, to evaluate the accessibility and availability of the design to find ways how to perceive, understand and deal with local wealth and people's needs, how to activate remoted areas, hidden spots, how to turn them into the places overflowing with uniqueness and INSPIRATION, how to attract the people to care about it, how to think progressively and SUSTAINABLY, how to contribute to the DEVELOPMENT, how to respond to the aspiration of people...

# final presentation

wednesday 27/04/2016 at 9H00int time  
at the studio L14-307

respect, adaptation, sustainability, community, affordability, flexibility, quality, commitment



ME

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A BIT OF

**GRADING...**

it is mandatory  
for 5th year students







WORKSHOP





ME

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WORKSHOP

LOW  
COST

???



It might be a PLAYFUL approach to explore how  
LOW-COST materials and tools and crafts can  
be used to manage **PUBLIC INTERESTS**.

- ::: result of a CUSTOMARY use along time
- ::: result of urban development planning
- ::: outcome of a PARTICIPATION process – both  
top down (this is launched by the public admis-  
tration), or bottom up, demanded by the resi-  
dents (in our case by the population).



## IMPLEMENTATION OF THE DESIGN PROTO- TYPE?

appropriate workshop results >>>

>>> assistance of unlimitedJCA (as develop-  
ment mediator) to the students >>>

>>> reference to a proposal to the grant pro-  
gramme of the Czech embassy in Addis Abeba  
for Small Scale Projects to implement the most  
convenient project to its "urban field" during  
the international workshop

The aim of the small scale local projects is to support Ethiopi-  
an institutions (such as academic institutions, charities, NGOs,  
hospitals, etc.) in their development activities, which are al-  
igned with the national development strategy. The projects  
are implemeted in different areas, especially in health, educa-  
tion, social welfare and environment protection.



INNOVATIONS

...TO BE USEFUL....



for  
example....  
giuseppe  
colarusso



ME

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WORK

INNOVATIONS

???



???







unlimitedica.com

**THANK YOU**  
FOR YOUR ATTENTION

solnicka(at)jakubcigler.archi

00251 ask me