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# MED Green Forum – 5

## 5<sup>th</sup> MEDITERRANEAN GREEN BUILDINGS & RENEWABLE ENERGY FORUM



2<sup>nd</sup> to 5<sup>th</sup> September 2019, Florence, Italy

DIDA School of Architecture, University of Florence – UNIFI



*MED Green International Student Award*

# MED Green Forum - 5 & MED Green Student Award

5<sup>th</sup> MEDITERRANEAN GREEN BUILDINGS & RENEWABLE ENERGY FORUM 2019

2<sup>nd</sup> to 5<sup>th</sup> September 2019, Florence, Italy



DIDA School of Architecture, University of Florence – UNIFI



**Entries for MGF student International competition  
are 27 projects (posters )**

24 Students of the Architecture Programme, Faculty of Engineering,  
Cairo University participated in the MED Green Student Award

**3 groups won the 1<sup>st</sup>, 2<sup>nd</sup> & 3<sup>rd</sup> Prizes  
at MGF-5 International Student Award 2019**





# 5<sup>th</sup> MED Green Forum & MED Green Student Award



*DIDA - School of Architecture, Florence, Italy*

*2 - 5 September 2019*



MED Green International Student Competition was announced in April as part of the 5th MED Green Forum 2019 Activities in Florence, Italy, 2<sup>nd</sup> – 5<sup>th</sup> September 2019



# MED Green Forum – 5

## MED Green International Student Award 2019

**5<sup>th</sup> MEDITERRANEAN GREEN BUILDINGS & RENEWABLE ENERGY FORUM**



2<sup>nd</sup> to 5<sup>th</sup> September 2019, Florence, Italy



Ten (10) projects' posters of the Architecture programme and AET programme were submitted to MED Green Organising Committee on June 20-30, 2019



# MED Green Forum – 5

## MED Green International Student Award 2019

### 5<sup>th</sup> MEDITERRANEAN GREEN BUILDINGS & RENEWABLE ENERGY FORUM



2<sup>nd</sup> to 5<sup>th</sup> September 2019, Florence, Italy



Three (3) posters represent 3 groups of  
11 students enrolled in the Architecture and  
Sustainable Development – ASD (ARC  
383), 3<sup>rd</sup> Year, Spring Semester 2019

# MED Green Forum – 5

## MED Green International Student Award 2019

### 5<sup>th</sup> MEDITERRANEAN GREEN BUILDINGS & RENEWABLE ENERGY FORUM



2<sup>nd</sup> to 5<sup>th</sup> September 2019, Florence, Italy



Seven (7) projects' posters represent 7 groups of 28 students out of 59 students enrolled in the Smart Building course (ARCN 303), 3<sup>rd</sup> Year - Senior Level 1, Spring Semester + 3 students graduated in July 2019



# MED Green Forum – 5

## MED Green International Student Award 2019

### 5<sup>th</sup> MEDITERRANEAN GREEN BUILDINGS & RENEWABLE ENERGY FORUM



2<sup>nd</sup> to 5<sup>th</sup> September 2019, Florence, Italy



The Med Green International Student Award was inaugurated on the 2<sup>nd</sup> of September 2019, while evaluated and judged on the 5<sup>th</sup> of September and was followed by the Award Ceremony was held on the same day September 5, 2019.

The **top 6 best posters of quality projects' work** was awarded during the closing session of the 3<sup>rd</sup> day of the MGF 5 at **DIDA - School of Architecture, UNIFI in Florence, Italy.**



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# 5<sup>th</sup> MEDITERRANEAN GREEN BUILDINGS & RENEWABLE ENERGY FORUM

2<sup>nd</sup> to 5<sup>th</sup> September 2019, Florence, Italy

*MED Green Int'l Student Award*

The 5<sup>th</sup> MED Green Forum 2019 and Intl Student Awards were organised by the World Renewable Energy Congress and Network (WREC/ WREN), the UK in collaboration with DIDA School of Architecture, University of Florence, ABITA, SITdA and ETA Florence, Italy



## MED Green Forum – 5

### MED Green International Student Award 2019

#### 5<sup>th</sup> MEDITERRANEAN GREEN BUILDINGS & RENEWABLE ENERGY FORUM

2<sup>nd</sup> to 5<sup>th</sup> September 2019, Florence, Italy



## MISSION

The first MED Green Forum was held in 2010 and hosted in France, then was held in Morocco in 2012; and the third Forum was held in Florence, Italy on 26-28 August 2015, and the 4<sup>th</sup> MGF was held in Florence from 31<sup>st</sup> of July to 3<sup>rd</sup> of August 2017.

The 5<sup>th</sup> MGF 2019 highlighted the importance of growing renewable energy applications in two main sectors: Electricity Generation & Sustainable Building.



# MED Green Forum – 5

**5<sup>th</sup> MEDITERRANEAN GREEN BUILDINGS & RENEWABLE ENERGY FORUM 2019**

2<sup>nd</sup> to 5<sup>th</sup> September 2019, Florence, Italy

**DIDA – School of Architecture, University of Florence – UNIFI**

## Topics

1. Mediterranean Future Cities Vision.
2. Resilience and Adapt to Change.
3. Mediterranean Green Architecture.
4. Historic Building and Refurbishment.
5. Passive Cooling and Daylighting in Buildings.
6. Eco Materials and Green Technologies.
6. Renewable Energies in Building and Cities.
7. Sustainable Mobility and Smart Communities.
8. Urban Farming and Green Infrastructure.
9. Policy Education, Training and Finance.





# MED Green Forum – 5

## MED Green Int'l Student Competition Entries 2019

2<sup>nd</sup> to 5<sup>th</sup> Sept. 2019, DIDA - School of Architecture, University of Florence, Italy





# MED Green Forum – 5

## 5<sup>th</sup> MEDITERRANEAN GREEN BUILDINGS & RENEWABLE ENERGY FORUM 2019

2<sup>nd</sup> to 5<sup>th</sup> September 2019, Florence, Italy

115

Delegates  
representing

27

Countries



Group photo of all delegates, professors and experts with Prof. Dr. A. Sayigh, Chairman of WREC/WREN and Chairman of MED Green Forum; Prof. Dr. M. Sala, Vice Chairman of MGF-5, Professor of Architecture and Technology – DIDA, UNIFI and Director of ABITA on Tuesday, 3<sup>rd</sup> n Monday, 2<sup>nd</sup> of September 2019 at DIDA School of Architecture – UNIFI.





# MED Green Forum – 5

## 5<sup>th</sup> MEDITERRANEAN GREEN BUILDINGS & RENEWABLE ENERGY FORUM 2019

2<sup>nd</sup> to 5<sup>th</sup> September 2019, Florence, Italy

All posters were visible throughout DIDA - School of Architecture, Santa Teresa building on the 4<sup>th</sup> floor, University of Florence - UNIFI, where participants were networking during the coffee and lunch breaks





# MED Green Forum – 5

## 5<sup>th</sup> MEDITERRANEAN GREEN BUILDINGS & RENEWABLE ENERGY FORUM 2019







# MED Green Forum – 5

## 5<sup>th</sup> MEDITERRANEAN GREEN BUILDINGS & RENEWABLE ENERGY FORUM 2019

Architectural Engineering and Technology (AET) programme Students with Dr. Rainer Hinrichs-Rahlwes, Vice President of German Federation of Renewable Energy; Prof. Dr. Fernando Recalde, Chairman of MGF-5 Int'l Student Competition and Prof Dr. Aboulnaga at DIDA School of Architecture - UNIFI, Florence, Italy





# MED Green Forum – 5

## 5<sup>th</sup> MEDITERRANEAN GREEN BUILDINGS & RENEWABLE ENERGY FORUM 2019

2<sup>nd</sup> to 5<sup>th</sup> September 2019, Florence, Italy

**President of DIDA School of Architecture & Chairman of MED Green Forum**

Tuesday, 3<sup>rd</sup> of September 2019 at 09:00

Chairperson: Prof. Marco Sala, Vice Chairman of MGF-5

Prof of Architecture – DIDA, UNIFI and Director of ABITA



**Opening session**



**Forum's opening Speech  
by Prof Saviero Mecca, President of DIDA**



**Prof. Dr. Susan Roaf, keynote speech**



**Prof. Saviero Mecca Opening speech**



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# MED Green Forum – 5

**5<sup>th</sup> MEDITERRANEAN GREEN BUILDINGS & RENEWABLE ENERGY FORUM 2019**

2<sup>nd</sup> to 5<sup>th</sup> September 2019, DIDA - UNIFI, Florence, Italy



*Delegates at the Opening Session of MGF-5, Guest of Honour Professor Grassi*





## 5<sup>th</sup> MEDITERRANEAN GREEN BUILDINGS & RENEWABLE ENERGY FORUM 2019

2<sup>nd</sup> to 5<sup>th</sup> September 2019, Florence, Italy



### Keynote Speakers Session

Wed., 4<sup>th</sup> Sept., 2019



### Climate-natural Europe 2050 - How to bridge the gap between vision and implementation







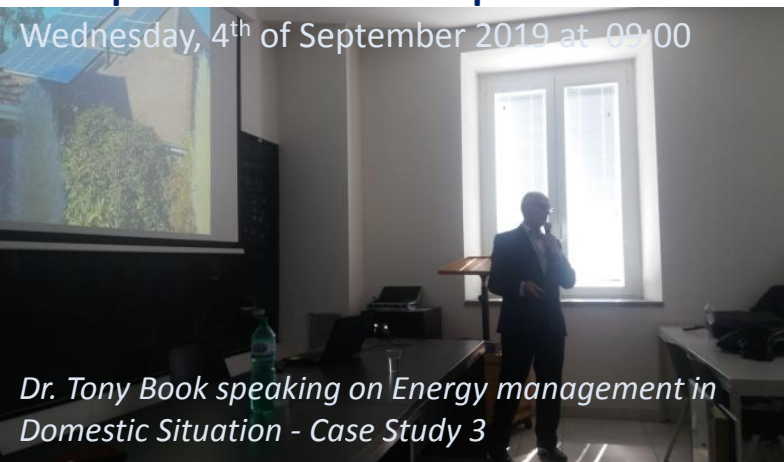
# MED Green Forum – 5

**5<sup>th</sup> MEDITERRANEAN GREEN BUILDINGS & RENEWABLE ENERGY FORUM 2019**

2<sup>nd</sup> to 5<sup>th</sup> September 2019, Florence, Italy

**Chairperson and Invited Speaker:**

Wednesday, 4<sup>th</sup> of September 2019 at 09:00



*Dr. Tony Book speaking on Energy management in Domestic Situation - Case Study 3*



*Prof. Dr. Mohsen Aboulnaga chairing Technical session 4*



*Dr. Ferdinand Oswald speaking on Development and Pre-certification Testing's and Product publications of Façade System StoSystain R*





# MED Green Forum – 5

## 5<sup>th</sup> MEDITERRANEAN GREEN BUILDINGS & RENEWABLE ENERGY FORUM 2019 2<sup>nd</sup> to 5<sup>th</sup> September 2019, Florence, Italy

### Invited Keynote Speakers

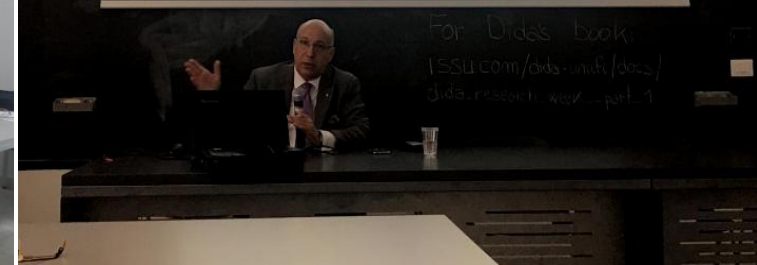
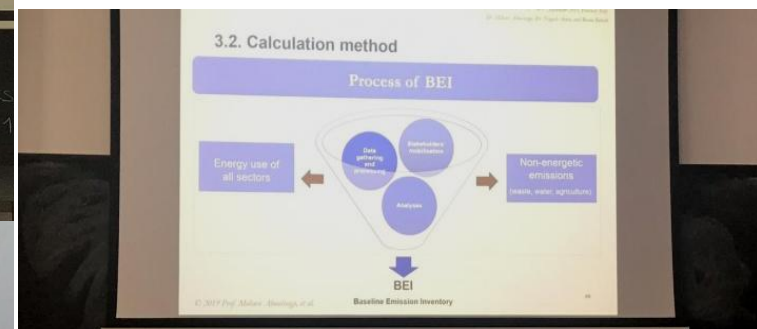
Wednesday, 4<sup>th</sup> September 2019

Chairperson: Prof. Marco Sala,  
Vice Chairman of MGF-5,  
Prof of Architecture and  
Technology – DIDA  
UNIFI and Director of ABITA



### Prof. Dr. Aboulmaga speaking

*Climate Adaptation Action: The Role of Clean Energy and Strategic Action Plans of South Mediterranean Cities*



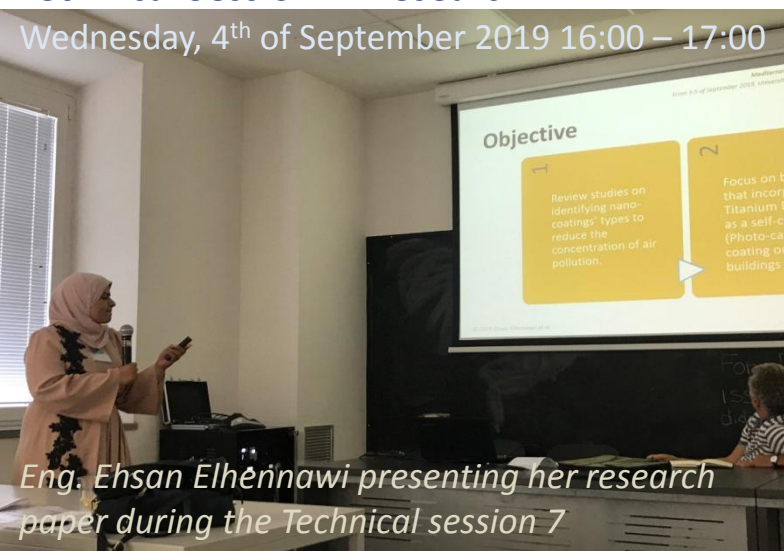


## 5<sup>th</sup> MEDITERRANEAN GREEN BUILDINGS & RENEWABLE ENERGY FORUM 2019

2<sup>nd</sup> to 5<sup>th</sup> September 2019, Florence, Italy

### Technical Session 7: Research

Wednesday, 4<sup>th</sup> of September 2019 16:00 – 17:00





# MED Green Forum – 5

## 5<sup>th</sup> MEDITERRANEAN GREEN BUILDINGS & RENEWABLE ENERGY FORUM 2019

2<sup>nd</sup> to 5<sup>th</sup> September 2019, Florence, Italy

**Keynote Presentations' Session - Research**  
Thursday, 5<sup>th</sup> of September 2019, 09:00 -11:00



Eng. Mai Barakāt presenting her research paper in the keynote presentation session



Fifth Mediterranean Green Buildings and Renewable Energy Forum (MED Green Forum 5)  
3-5 September 2019, Florence, Italy

**'Towards Resilient Cities: Improving Unplanned Urban Areas – Strategic Environmental Assessment and Upgrading Guidelines for Megacities in Developing Countries'**

Mai M. Baraka\*, Mohsen M. Aboulnaga\*\* and Mona F. Badran\*\*\*

\* Researcher, Master Programme on Environmental Design & Energy Efficiency.

\*\* Professor of Sustainable Built Environments.

Cairo University, Faculty of Engineering, Department of Architecture

\*\*\* Associate Professor, Dept. of Economics, Faculty of Economics & Political Sciences – Cairo University

MGF-5 Topic: Resilience and Adapt to Change

Keynote Presentation – Room A

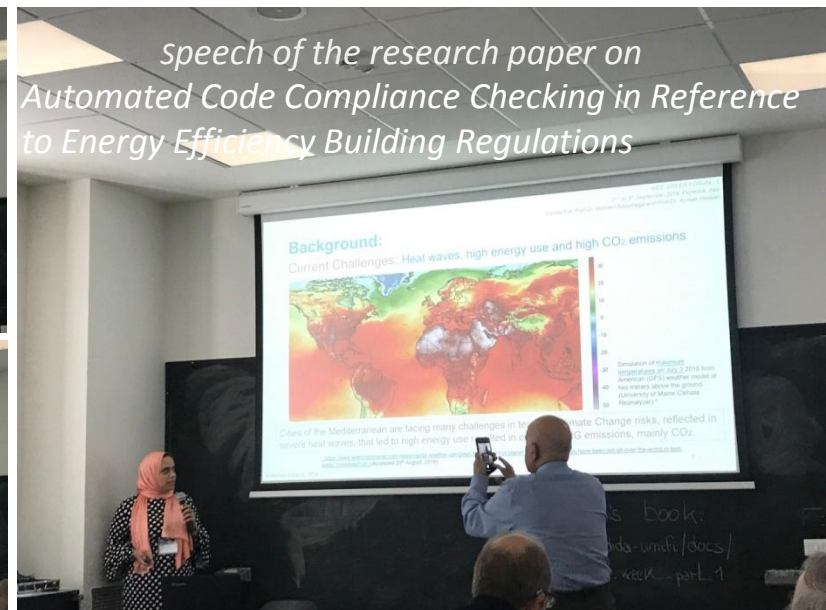
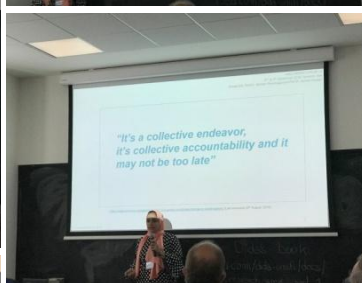
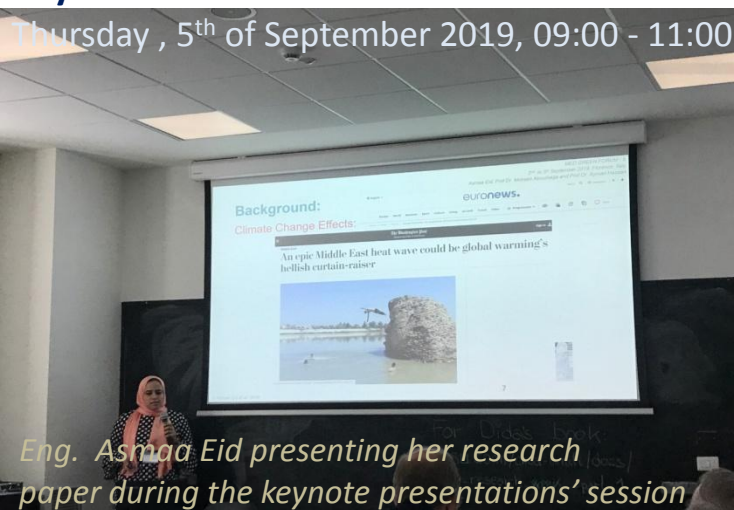
Thursday, 5<sup>th</sup> September 2019

Session: 09:00 – 11:00

© Mai Barakat et al. 2019

## Keynote Presentations' Session - Research

Thursday, 5<sup>th</sup> of September 2019, 09:00 - 11:00









Fifth Mediterranean Green Buildings and Renewable Energy Forum (MED Green Forum)  
2-5 Sept. 2019, Florence, Italy

### Automated Code Compliance Checking in Reference to Energy Efficiency Building Regulations

Asmaa Eid\*, Mohsen Aboulnaga\*\* and Ayman Mahmoud\*\*\*

- \* PhD Research Student & Teaching Assistant
- \*\* Professor of Sustainable Built Environments,
- \*\*\* Professor of Sustainable Architecture & Landscape, Cairo University, Faculty of Engineering, Department of Architecture, Giza Egypt

MGF-5 Topic: Future Cities for Climate Action  
Keynote Presentation - Room 401  
Thursday, 5<sup>th</sup> September 2019 - Session: 09:00 – 11:00

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# MED Green Forum – 5

## 5<sup>th</sup> MEDITERRANEAN GREEN BUILDINGS & RENEWABLE ENERGY FORUM 2019

2<sup>nd</sup> to 5<sup>th</sup> September 2019, Florence, Italy

### Invited speaker Session Research students

Thursday, 5<sup>th</sup> of September 2019, 11:20 - 13:00



## 5<sup>th</sup> MEDITERRANEAN GREEN BUILDINGS & RENEWABLE ENERGY FORUM 2019

2<sup>nd</sup> to 5<sup>th</sup> September 2019, Florence, Italy

**Open innovation Panel Brain Storming**  
SUArch Master Degree Programme

**Thursday, 5<sup>th</sup> of Sept. 2019 14:00 - 15:30**



*Prof. Dr. Antonella Trombadore and Prof. Dr. Lucia Ceccherini Nelli presenting the new Master Program on SUArch*



*Prof. Dr. Marco Sala, Vice Chairman of MGF-5, Professor of Architecture and Technology – DIDA, UNIFI and Director of ABITA with Prof. Dr. Fernando Recalde, Adviser Eco Technology at DIDA UNIFI, addressing the delegates*





# MED Green Forum – 5

## 5<sup>th</sup> MEDITERRANEAN GREEN BUILDINGS & RENEWABLE ENERGY FORUM 2019

### Open Innovation Session:

SUArch Master Degree Programme

Thursday, 5<sup>th</sup> of Sept. 2019 14:00 - 15:30

2<sup>nd</sup> to 5<sup>th</sup> September 2019, DIDA - UNIFI, Florence, Italy



Prof. Dr. Fernando Recalde addressing and stimulating experts and delegates for their contribution and new innovative ideas



Prof. Dr. Antonella Trombadore and Prof. Dr. Lucia Ceccherini Nelli introducing the new Master Program SUArch for open innovation interventions.





## 5<sup>th</sup> MEDITERRANEAN GREEN BUILDINGS & RENEWABLE ENERGY FORUM 2019

2<sup>nd</sup> to 5<sup>th</sup> September 2019, Florence, Italy

**Open Innovation Session and Brain Storming:**

SUArch Master Degree Programme

Thursday, 5<sup>th</sup> of Sept. 2019 14:00 -15:30



*Prof. Marco Sala, Vice Chairman of MGF-5, Professor of Architecture and Technology – DIDA, UNIFI and Director of ABITA, and Dr Rainer Hinrichs-Rahlwes – Vice President of German Federation of Renewable Energy and Dr. Donald Swift-Hook, Visiting Professor at Kingston University - London and Secretary of WREN, UK and many delegates at the session.*





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# MED Green Forum – 5



**5<sup>th</sup> MEDITERRANEAN GREEN BUILDINGS & RENEWABLE ENERGY FORUM 2019**

2<sup>nd</sup> to 5<sup>th</sup> September 2019, Florence, Italy

*MED Green International Student Award 2019*

*Thursday, 5<sup>th</sup> September 2019*  
*DIDA School of Architecture – UNIFI*



# MED Green Forum – 5



**5<sup>th</sup> MEDITERRANEAN GREEN BUILDINGS & RENEWABLE ENERGY FORUM 2019**

2<sup>nd</sup> to 5<sup>th</sup> September 2019, Florence, Italy

# Entries are from 4 Countries

(Italy - themes in China & Bahamas, and Egypt)

*Thirty (30) projects' posters entered the 5<sup>th</sup> MGF & MED Green International Student Award 2019, 3 groups' posters, including 11 students are from the Architecture programme (terms system) & 31 students from AET programme*





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## MED Green Forum – 5

### MED Green International Student Award 2019

5<sup>th</sup> MEDITERRANEAN GREEN BUILDINGS & RENEWABLE ENERGY FORUM 2019

2<sup>nd</sup> to 5<sup>th</sup> Sept. 2019,

DIDA - School of Architecture, University of Florence, Italy

## Egypt's Entries

### AET programme of Cairo University

*Seven projects' posters by 7 groups of  
31 students*

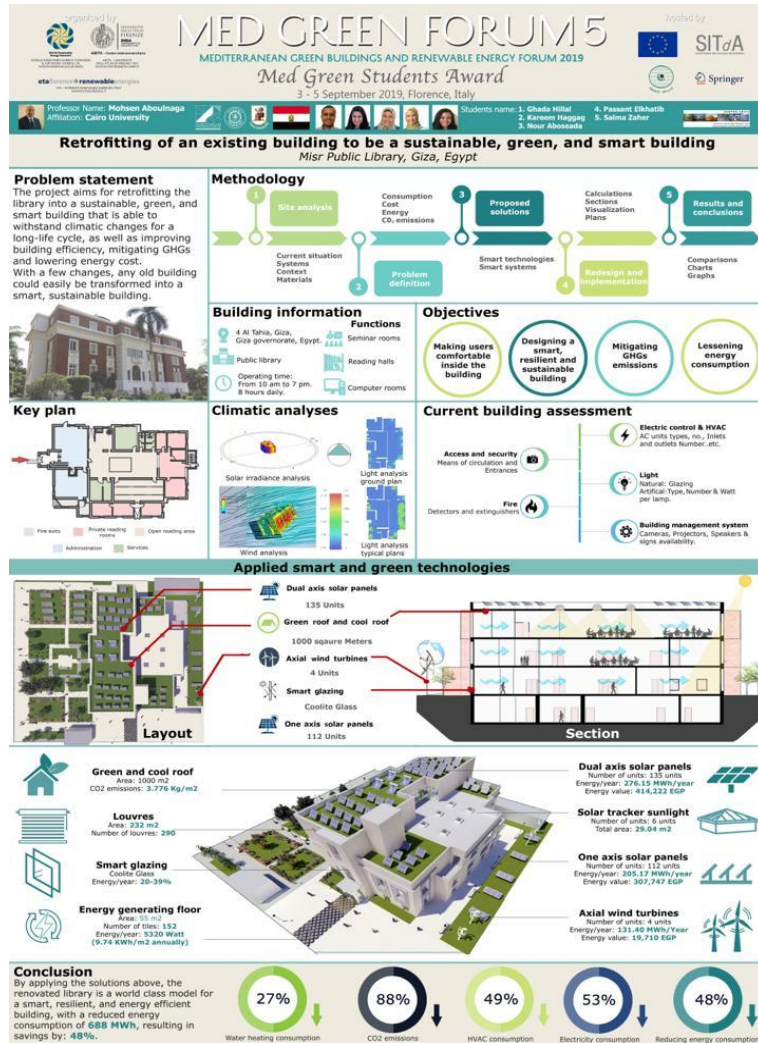


# MGF-5 Green Int'l Student Award 2019

2<sup>nd</sup> to 5<sup>th</sup> September 2019, Florence, Italy



## 7 Posters representing Retrofitting of Existing Buildings to be Sustainable and Smart



1-7



2-7













# MGF-5 International Student Award 2019

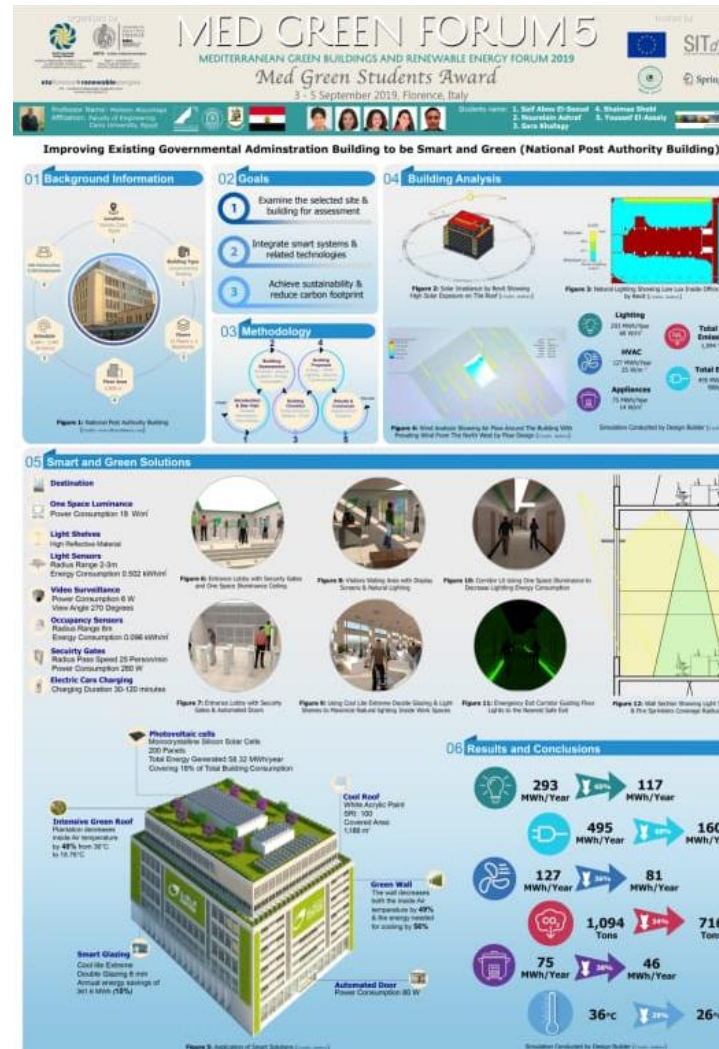
2<sup>nd</sup> to 5<sup>th</sup> September 2019, Florence, Italy



7 Posters representing Retrofitting of Existing Buildings to be sustainable and smart

7

7-7



Saif Sameh, Sara Khafagy, Nourleiln Ashraf, Shaimaa Shebl & Youssef Ellassaly

## MED Green Forum – 5

### MED Green International Student Award 2019

5<sup>th</sup> MEDITERRANEAN GREEN BUILDINGS & RENEWABLE ENERGY FORUM 2019



2<sup>nd</sup> to 5<sup>th</sup> September 2019, University of Florence,  
DIDA - School of Architecture, Italy



## Egypt's entries

Architecture programme (2 terms) of Cairo University

*Three (3) posters by 3 groups  
of 11 students*





# MGF-5 Int'l Student Award 2019

2<sup>nd</sup> to 5<sup>th</sup> Sept. 2019, University of Florence, Italy



## Three (3) Posters representing Projects on Retrofitting of Existing Educational Buildings in the Context of Sustainable Development and Attain SDGs

1-3



2-3



Sara Salem, Shrouk Sayed and Abdelrahman Mousa

Peter Erian, Toka Mahmoud, Asmaa Eldaly & Mohammed Salah



# MGF-5 Int'l Student Award 2019

2<sup>nd</sup> to 5<sup>th</sup> Sept. 2019, University of Florence, Italy



Three (3) Posters representing Projects on Retrofitting of Existing Educational Buildings in the Context of Sustainable Development and Attain SDGs

3-3

3



Dina Maher, Sara Ahmed, David Berty and Adham Yousry




# 5<sup>th</sup> MGF International Student Award 2019

## Posters 'Exhibition





*Impression of the posters'  
exhibition hall at DIDA - School  
of Architecture - Santa Teresa,  
University of Florence - UNIFI,  
Florence, Italy  
2<sup>nd</sup> - 5<sup>th</sup> of September 2019*

### MED GREEN FORUM 5TH

MGF5th \_INTERNATIONAL STUDENT COMPETITION \_ FLORENCE UNIVERSITY 02\_05 SEPT.2019



**METHODOLOGY > ENVIRONMENTAL NATURE ROOTED DESIGN reconnecting to nature**


**METHODOLOGY MGF 4&5th> RETROFITTING\_REFURBISHMENT\_REHABILITATION on sustainable key of the Built environment**

#### 1 Objectives

The program's objectives in its various phases are to create a building that is:

- Energy Efficient
- Low GHG Emissions
- Non-Zero Energy Building
- Local Material
- Smart Integrated Building
- Sustainable and Green Site
- Max. Comfort and Indoor Quality

#### 2 Methodology



#### 3 Green & Smart Elements


01 Heat Island	Green Roof	Light Reflective Coating
02 Energy	Passive Cooling	Energy Efficient
03 Lighting	Daylight	Energy Efficient
04 HVAC	Green Roof	Energy Efficient
05 Contaminants	Green Roof	Energy Efficient
06 Security	Green Roof	Energy Efficient

### INTERNATIONAL STUDENT COMPETITION


#### ENVIRONMENTAL DESIGN & SUSTAINABLE PRACTICES

**JUDGES**

Prof. Vincenzo Legnante, Prof. Maurizio Carta,  
Prof. Marco Sala, Prof. Fernando Recalde,  
Prof. Ali Sayigh, Prof. Ruxandra Crutescu,  
Prof. Alessandra Battisti, Prof. Riadh Al-Dabbagh,  
Dr. Rainer Hinrichs-Rahlwes



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WREN/WREC  
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# MED Green Forum – 5

## MED Green International Student Entries 2019

2<sup>nd</sup> to 5<sup>th</sup> Sept. 2019, DIDA - School of Architecture, University of Florence, Italy





## MED Green Forum – 5

### MED Green International Student Entries 2019

2<sup>nd</sup> to 5<sup>th</sup> Sept. 2019, DIDA - School of Architecture, University of Florence, Italy







# MED Green Forum – 5

## MED Green International Student Entries 2019

2<sup>nd</sup> to 5<sup>th</sup> Sept. 2019, DIDA - School of Architecture, University of Florence, Italy







# MED Green Forum – 5

## MED Green International Student Entries 2019

2<sup>nd</sup> to 5<sup>th</sup> Sept. 2019, DIDA - School of Architecture, University of Florence, Italy



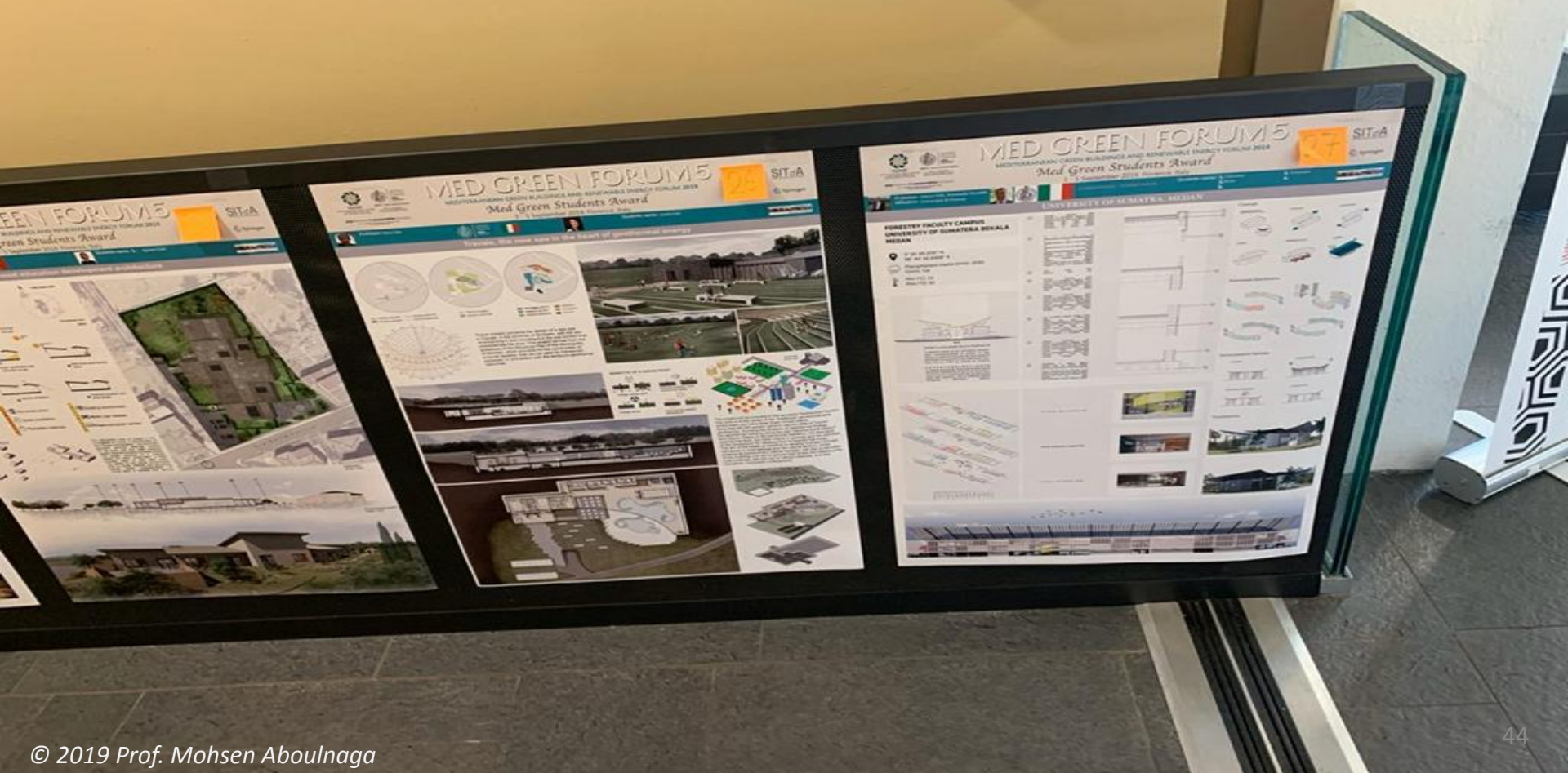




## MED Green Forum – 5

### MED Green International Student Entries 2019

2<sup>nd</sup> to 5<sup>th</sup> Sept. 2019, DIDA - School of Architecture, University of Florence, Italy







# MED Green Forum – 5



## MED Green International Student Entries 2019

2<sup>nd</sup> to 5<sup>th</sup> Sept. 2019, DIDA - School of Architecture, University of Florence, Italy





# MED Green Forum – 5

## MED Green International Student Entries 2019

2<sup>nd</sup> to 5<sup>th</sup> Sept. 2019, DIDA - School of Architecture, University of Florence, Italy



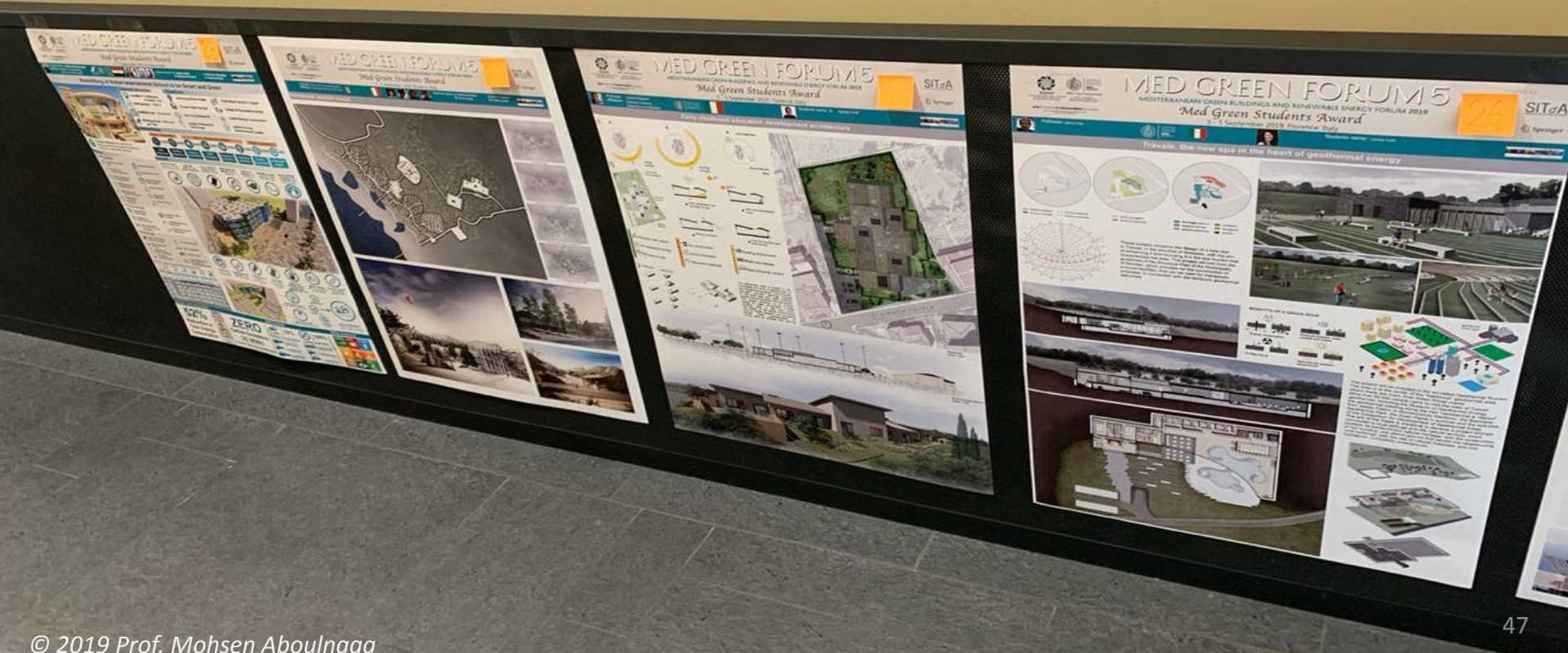




# MED Green Forum – 5

## MED Green International Student Entries 2019

2<sup>nd</sup> to 5<sup>th</sup> Sept. 2019, DIDA - School of Architecture, University of Florence, Italy







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## MED Green International Student Entries 2019

2<sup>nd</sup> to 5<sup>th</sup> Sept. 2019, DIDA - School of Architecture, University of Florence, Italy

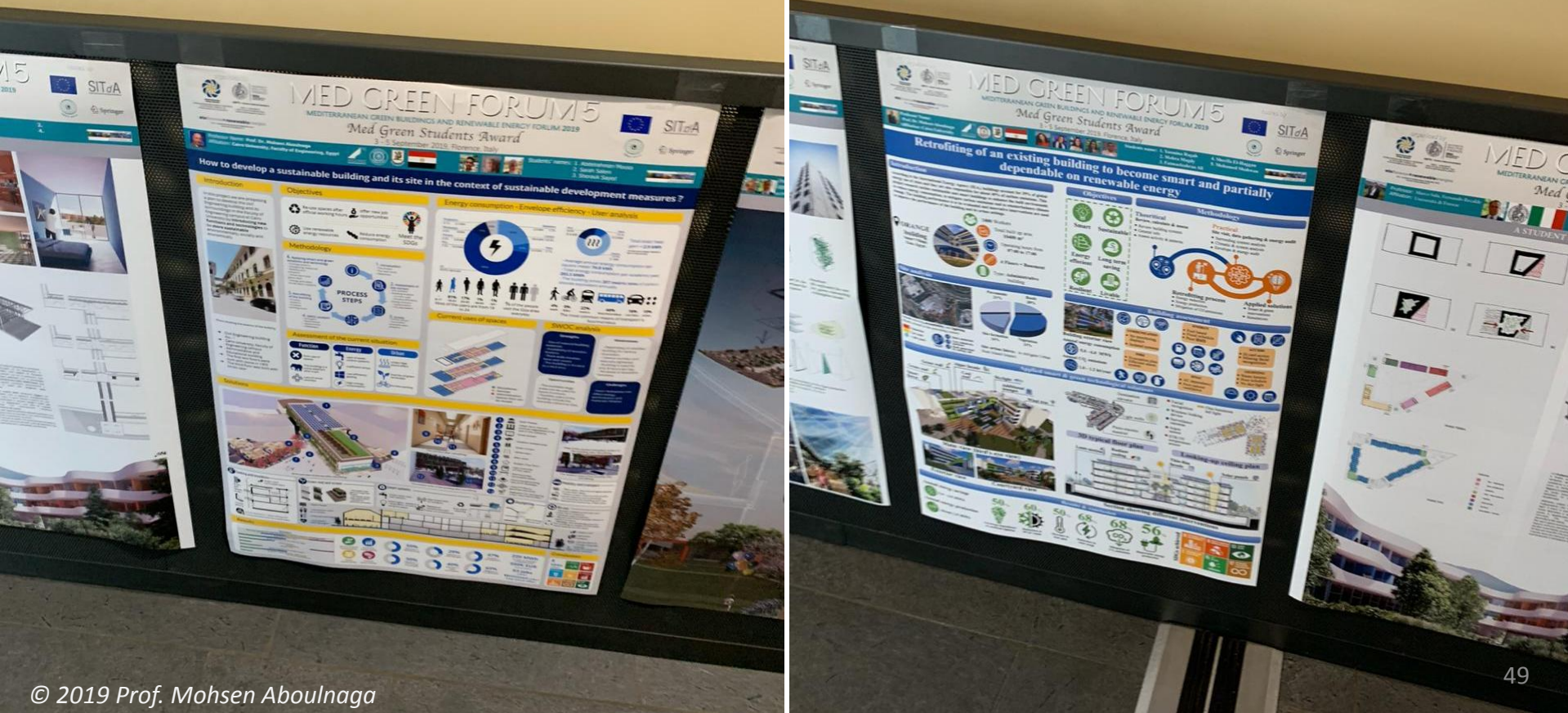




# MED Green Forum – 5

## MED Green International Student Entries 2019

2<sup>nd</sup> to 5<sup>th</sup> Sept. 2019, DIDA - School of Architecture, University of Florence, Italy



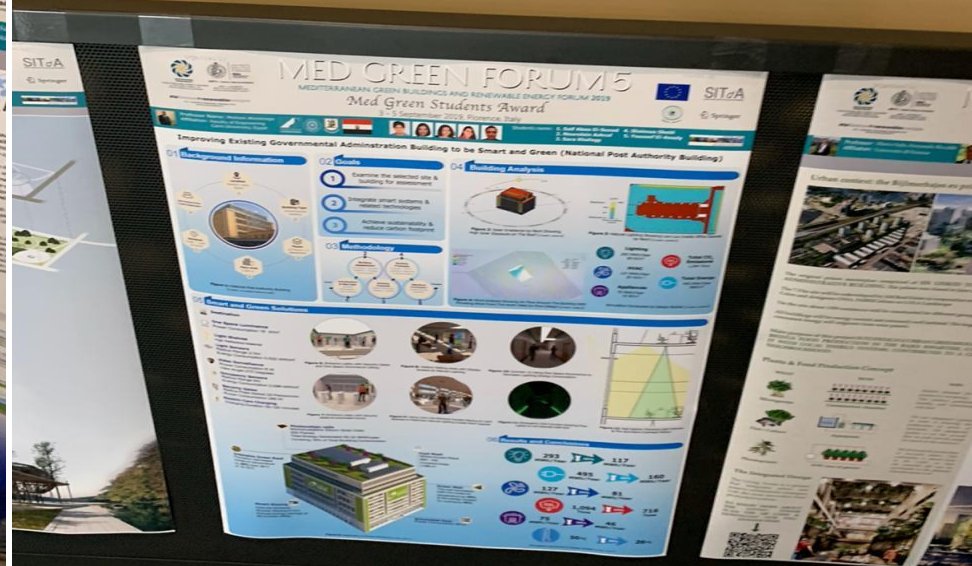




# MED Green Forum – 5

## MED Green International Student Entries 2019

2<sup>nd</sup> to 5<sup>th</sup> Sept. 2019, DIDA School of Architecture, University of Florence, Italy











# MED Green Forum – 5



## MED Green International Student Entries 2019

2<sup>nd</sup> to 5<sup>th</sup> Sept. 2019, DIDA School of Architecture, University of Florence, Italy

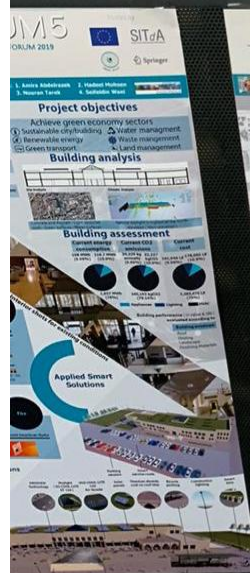




# MED Green Forum – 5

## MED Green International Student Entries 2019

2nd to 5th Sept. 2019, DIDA School of Architecture, University of Florence, Italy





# MED Green Forum - 5 Jury of the Int'l Student Competition

2<sup>nd</sup> to 5<sup>th</sup> Sept. 2019, DIDA - School of Architecture, University of Florence, Italy

MGAISC Jury committee (8 Judges) was formed by Chairman of MED Green Forum

1. Prof. Dr. Aly Sayigh, Chairman of MED Green Forum and Chairman of World Renewable Energy Congress and Network (WREC/ WREN), Brighton
2. Prof. Dr. Marco Sala, Vice Chairman - MED Green Forum & Professor of Green Architectural Technology, University of Florence, Florence
3. Prof. Vincenzo Legnante, Former Dean of School of Architecture, Florence,
4. Prof. Dr. Susan Roaf, Professor of Sustainability, Institute of Sustainable Building Design - ISBD, University of Heriot-watt, Scotland
5. Dr. Rainer Hinrichs-Rahlwes, Vice President of German Federation of Renewable Energy and Former President of European Council of renewable energy, Berlin
6. Prof. Dr. Darya Okay, Chairwomen of Architecture, Ondokuz Mayis University, Samsun
7. Prof. Dr. Fernando Recalde, Senior Adviser Eco Technology - School of Architecture and Chairman of Int'l Student Competition, University of Florence
8. Prof Dr. Ruxandra Crutescu, Active Green Architects, Bulevardul, Bucharest



Chairman



Co-chairman



Member



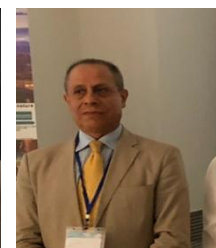
Member



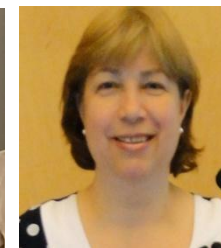
Member



Member



Member



Member

# MED Green Forum -5 & International Student Award 2019

2<sup>nd</sup> to 5<sup>th</sup> Sept. 2019, DIDA - School of Architecture, University of Florence, Italy

MGISC Jury committee (8 Judges) was formed by Chairman of MED Green Forum







## MED Green Forum – 5

### MED Green International Student Award 2019

5<sup>th</sup> MEDITERRANEAN GREEN BUILDINGS & RENEWABLE ENERGY FORUM  
2<sup>nd</sup> to 5<sup>th</sup> Sept. 2019, DIDA - School of Architecture, University of Florence, Italy

On Thursday, 5<sup>th</sup> of September 2019, the sun shined on the  
Egyptian and Italian students in Florence, Italy

### *MED Green International Students' Award 2019 Ceremony*

The venue is DIDA School of Architecture, Hall 401 at  
The University of Florence – UNIFI, Florence, Italy



# MED Green Forum – 5

## MED Green International Student Award 2019

5<sup>th</sup> MEDITERRANEAN GREEN BUILDINGS & RENEWABLE ENERGY FORUM

2<sup>nd</sup> to 5<sup>th</sup> Sept. 2019, DIDA - School of Architecture, University of Florence, Italy





# MED Green Forum-5 International Student Award 2019

5<sup>th</sup> Sept. 2019, DIDA – School of Architecture, University of Florence – UNIFI, Florence, Italy

*During MED Green Student Award Ceremony*





# MED Green Forum – 5

## MED Green International Student Award 2019

5<sup>th</sup> MEDITERRANEAN GREEN BUILDINGS & RENEWABLE ENERGY FORUM

5<sup>th</sup> September 2019

DIDA - School of Architecture, University of Florence, Italy

*The Winners*  
*3 Egyptian Groups*





## MED Green Forum – 5

### MED Green International Student Award 2019

5<sup>th</sup> MEDITERRANEAN GREEN BUILDINGS & RENEWABLE ENERGY FORUM

2<sup>nd</sup> to 5<sup>th</sup> September 2019

DIDA - School of Architecture, University of Florence, Italy

### *The 3 Prizes' Winners*



1<sup>st</sup> Prize  
Gold medal

2<sup>nd</sup> Prize  
Silver medal

3<sup>rd</sup> Prize  
Bronze medal





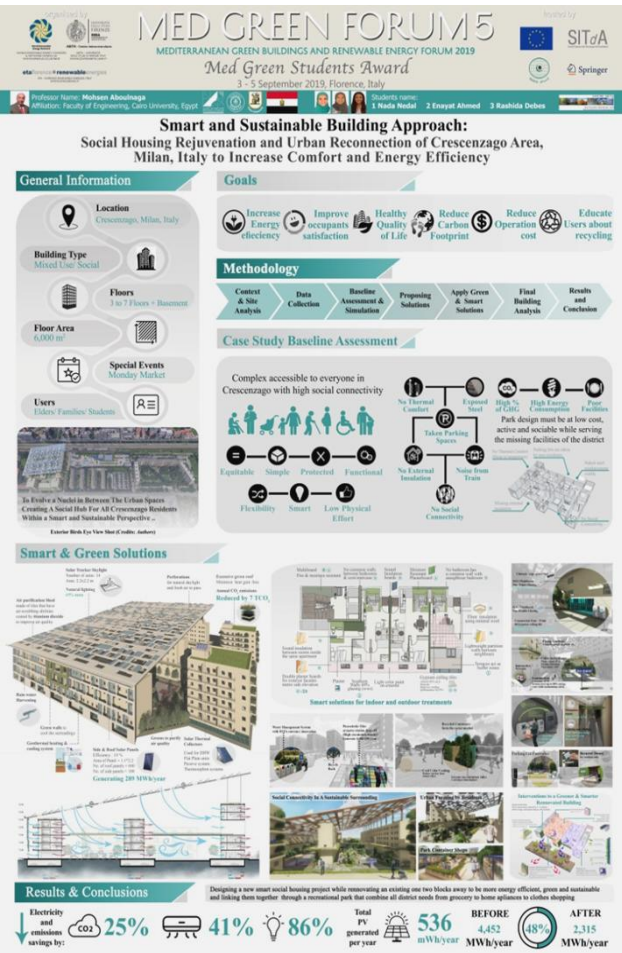
# MGF – 5 Int'l Student Award 2019

2<sup>nd</sup> to 5<sup>th</sup> September 2019, Florence, Italy



Students' projects of AET ARCN303 & ASD ARC383 Architecture programme courses won 1<sup>st</sup>, 2<sup>nd</sup> & 3<sup>rd</sup> Prizes

## 1<sup>st</sup> Prize



Shared with one Italian Group

## 2<sup>nd</sup> Prize



Shared with one Italian Group

## 3<sup>rd</sup> Prize



Shared with one Italian Group





# MGF – 5 Int'l Student Award 2019

2<sup>nd</sup> to 5<sup>th</sup> September 2019, Florence, Italy



Students' projects of Architectural programme DIDA – School of Architecture, UNIFI won 1<sup>st</sup>, 2<sup>nd</sup> & 3<sup>rd</sup> Prizes

## 1<sup>st</sup> Prize



Shared with one Egyptian Group

## 2<sup>nd</sup> Prize



Shared with one Egyptian Group

## 3<sup>rd</sup> Prize



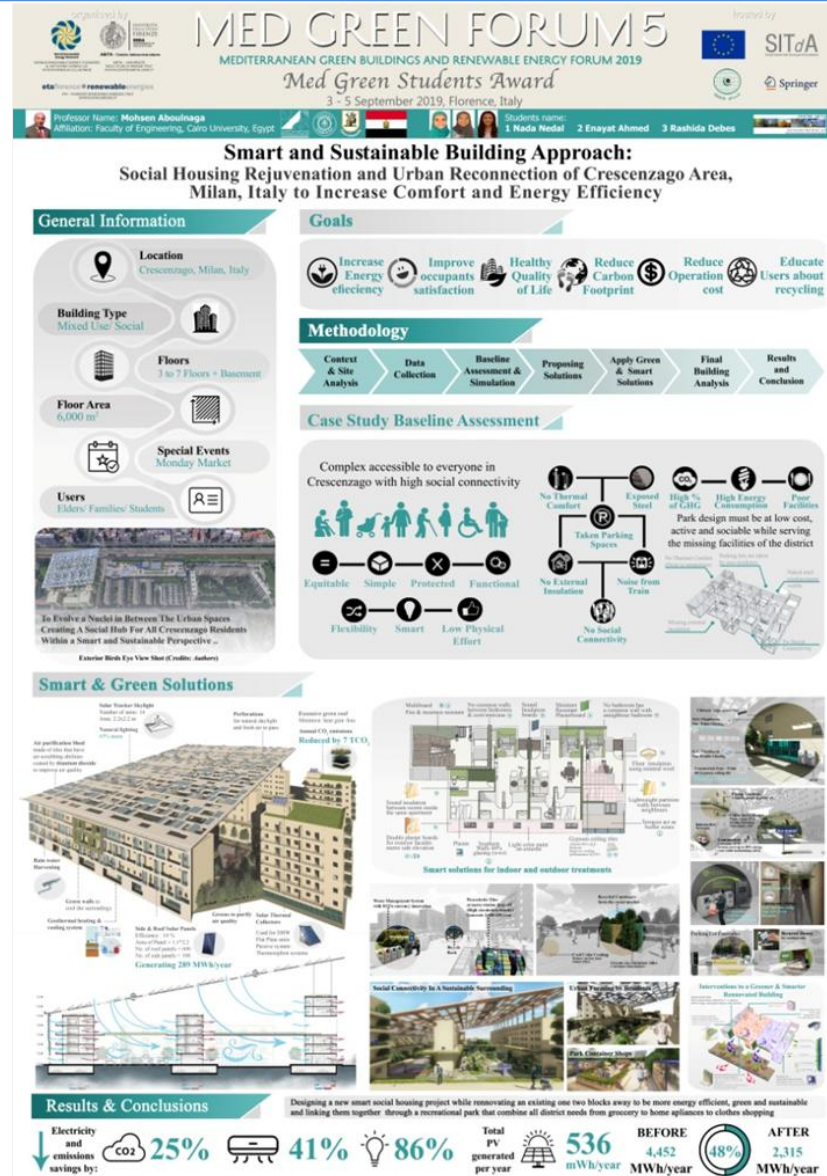
Shared with one Egyptian Group



2<sup>nd</sup> to 5<sup>th</sup> September 2019, Florence, Italy



1<sup>st</sup>  
Prize  
Gold  
medal



**Cairo University**  
**Faculty of Engineering**  
**AET Programme**

## Winners

1. Nada Nidal
2. Enayat Ahmed
3. Rashida Debes



# MED Green Forum – 5 International Student Award 2019

Thursday, 5<sup>th</sup> Sept. 2019, DIDA School of Architecture, University of Florence, Italy



Nada Nidal receiving the Gold Medal for 1<sup>st</sup> Prize Award

# MED Green Forum – 5 International Student Award 2019

Thursday, 5<sup>th</sup> Sept. 2019, DIDA School of Architecture, University of Florence, Italy



Enayat Abuismail receiving the Gold Medal for 1<sup>st</sup> Prize Award



# MED Green Forum - 5 International Student Award 2019

AET programme students of Smart Building – SB course (ARCN 303) project won the 1<sup>st</sup> Prize

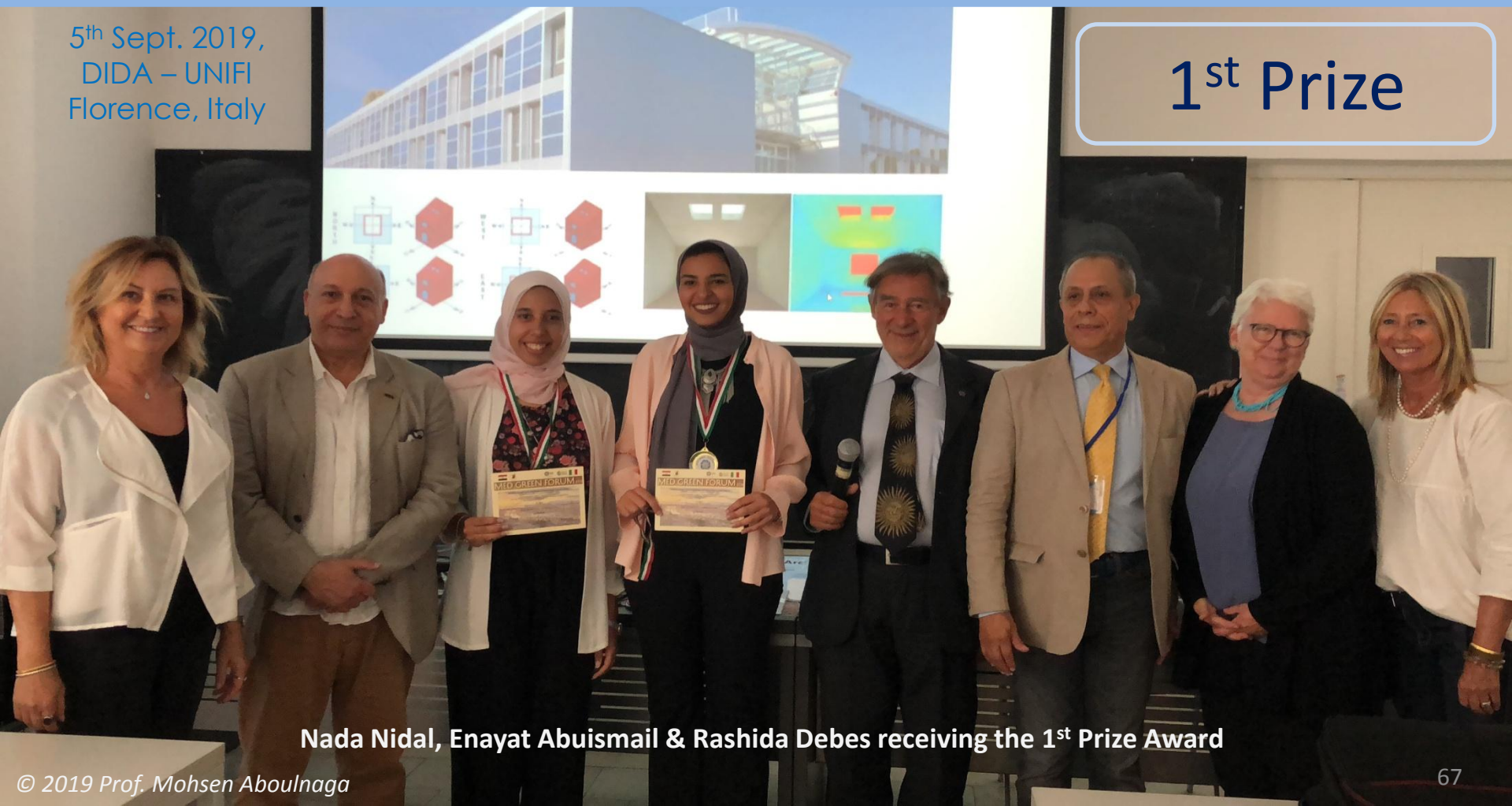


# MED Green Forum - 5 International Student Award 2019

AET programme students of Smart Building – SB course (ARCN 303) project  
won the 1<sup>st</sup> Prize

5<sup>th</sup> Sept. 2019,  
DIDA – UNIFI  
Florence, Italy

1<sup>st</sup> Prize

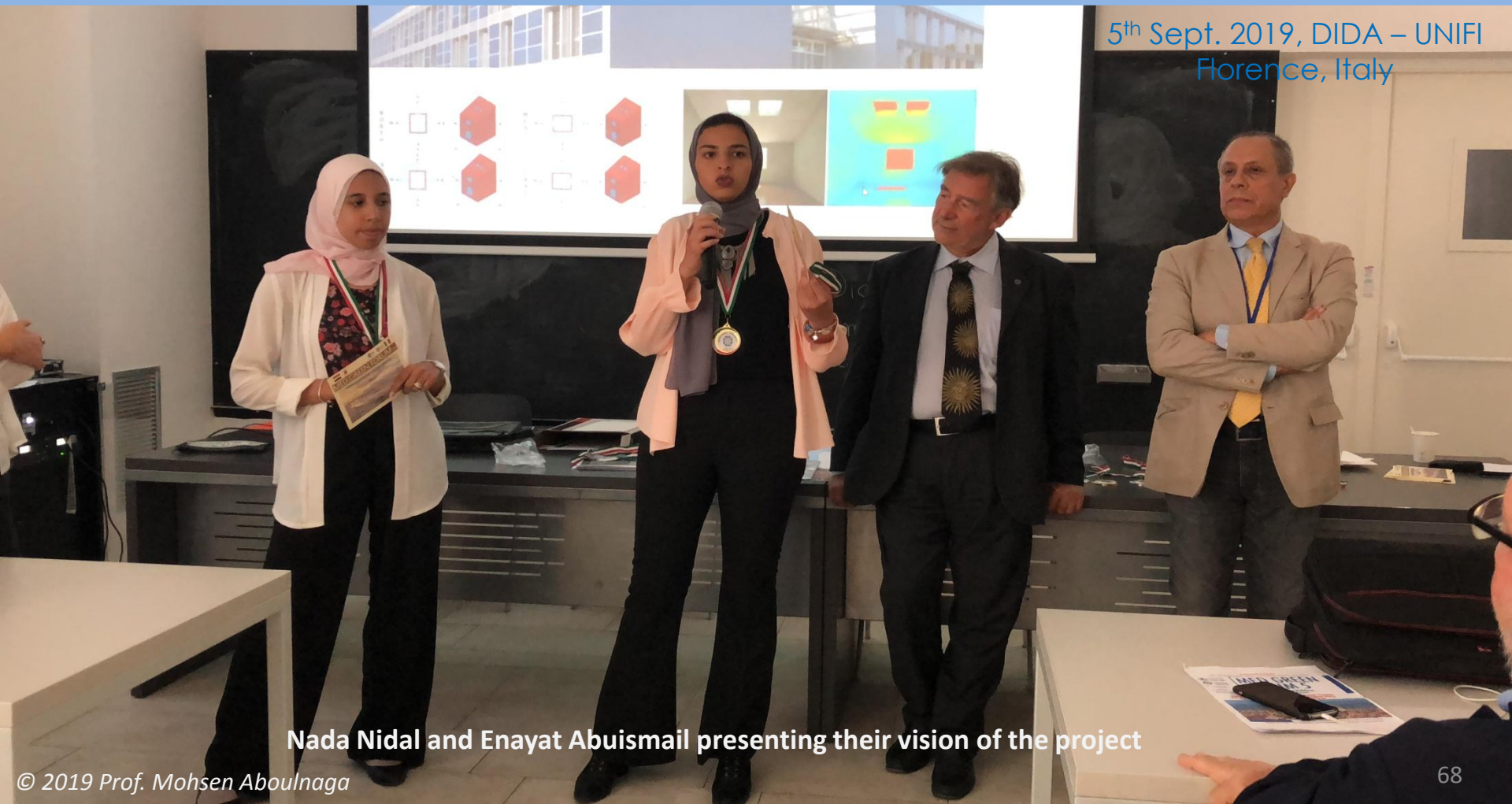


Nada Nidal, Enayat Abuismail & Rashida Debes receiving the 1<sup>st</sup> Prize Award



# MED Green Forum-5 International Student Award 2019

AET programme students of Smart Building - SB course (ARCN 303) project  
won the 1<sup>st</sup> Prize



5<sup>th</sup> Sept. 2019, DIDA – UNIFI  
Florence, Italy

Nada Nidal and Enayat Abuismail presenting their vision of the project



# MGF – 5 Int'l Student Award 2019

2<sup>nd</sup> to 5<sup>th</sup> September 2019, Florence, Italy



Architectural programme Student – DIDA – School of Architecture, UNIFI won the 1<sup>st</sup> Prize Award



1<sup>st</sup>  
Prize  
Gold  
medal

University of Florence  
DIDA - School of  
Architecture

**Italian Winners**

1. Angeloni Costanza



# MED Green Forum – 5 International Student Award 2019

Thursday, 5<sup>th</sup> Sept. 2019, DIDA School of Architecture, University of Florence, Italy

## *MED Green Student Award Ceremony*



Angelsoni Costanza receiving the 1<sup>st</sup> Prize and the Gold Medal



# MED Green Forum - 5 International Student Award 2019

Architectural programme of DIDA School of Architecture - UNIFI

Italian Students' project won the 1<sup>st</sup> Prize (shared)

5<sup>th</sup> Sept. 2019, DIDA – UNIFI  
Florence, Italy



Angeloni Costanza receiving the Gold Medal of the 1<sup>st</sup> Prize





# MGF – 5 Int'l Student Award 2019

2<sup>nd</sup> to 5<sup>th</sup> September 2019, Florence, Italy



Architecture programme students of ASD course (ARC 383) project won the 2<sup>nd</sup> Prize Award



Cairo University  
Faculty of Engineering  
Terms' Programme

## Winners

1. Dina Maher
2. David Berty
3. Adham Yousry
4. Sara Ahmed



# MGF – 5 Int'l Student Award 2019

2<sup>nd</sup> to 5<sup>th</sup> September 2019, Florence, Italy



Architectural Programme Student – DIDA – School of Architecture, UNIFI won the 2<sup>nd</sup> Prize Award

2<sup>nd</sup>  
Prize  
Silver  
medal



University of Florence  
DIDA - School of  
Architecture

## Italian Winners

1. Angeloni Costanza
2. Bigi Costanza
3. Biserni Beatrice



# MED Green Forum - 5 International Student Award 2019

Thursday, 5<sup>th</sup> Sept. 2019, DIDA School of Architecture, University of Florence, Italy

## *MED Green Student Award Ceremony*



# MED Green Forum-5 International Student Award 2019

Terms' programme students of Architecture and Sustainable Development - ASD Course  
(ARC 383) won the **2<sup>nd</sup> Prize**

5<sup>th</sup> Sept. 2019, DIDA – UNIFI  
Florence, Italy



Dina Maher and Adham Yousry announced winner of the 2<sup>nd</sup> Prize Award



# MED Green Forum - 5 International Student Award 2019

Terms' programme students of Architecture and Sustainable Development - ASD Course  
(ARC 383) project won the 2<sup>nd</sup> Prize



5<sup>th</sup> Sept. 2019, DIDA – UNIFI  
Florence, Italy



# MED Green Forum-5 International Student Award 2019

Terms' programme students of Architecture and Sustainable Development - ASD Course  
(ARC 383) won the **2<sup>nd</sup> Prize**



5<sup>th</sup> Sept. 2019, DIDA – UNIFI  
Florence, Italy

Dina Maher and Adham Yousry receiving the Silver Medal of the 2<sup>nd</sup> Prize Award





# MGF – 5 Int'l Student Award 2019

2<sup>nd</sup> to 5<sup>th</sup> September 2019, Florence, Italy



AET programme students of Smart Building course (ARCN 303) project won the 3<sup>rd</sup> Prize Award



Cairo University  
Faculty of Engineering  
AET Programme

## Winners

1. Yasmina Ragab
2. Fatma Ali
3. Mohra Madbouly
4. Sherifa Elhagan
5. Mohamed Shahwan

3<sup>rd</sup>  
Prize  
Bronze  
medal



# MGF – 5 Int'l Student Award 2019

2<sup>nd</sup> to 5<sup>th</sup> September 2019, Florence, Italy



Architectural programme Students – DIDA – School of Architecture, UNIFI won the 3<sup>rd</sup> Prize Award

organised by

## MED GREEN FORUM 5

MEDITERRANEAN GREEN BUILDINGS AND RENEWABLE ENERGY FORUM 2019

### Med Green Students Award

3 - 5 September 2019, Florence, Italy

Students name: 1. Lorenzo Calami, 2. Gabriel De Vuono, 3. Alejandro Caputo, 5.

Professor: Marco Sala, Fernando Recalde  
 Affiliation: Università di Firenze

#### SWORDFISH BAY - Luxury Residence

L'area di progetto si trova a Nassau, capitale delle isole Bahamas, circondata dallo splendido mare caraibico, nel centro America. Il lotto dispone di una spiaggia privata e si trova a pochi passi dal famoso Baha Mar Resort, e a 10 minuti dal centro città e dall'Aeroporto.

Nella fase iniziale di progetto si sono riscontrate alcune limitazioni: la forma stretta e lunga del lotto e la vista obbligata verso nord-est, hanno trovato una soluzione nelle curve sinuose e dinamiche di uno degli animali simbolo di Nassau, il pesce-spada. Questo ha portato alla realizzazione di due torri distinte tra loro, che seguendo la sagoma del pesce, si inseriscono perfettamente nel lotto.

Swordfish Bay dispone di 50 appartamenti di lusso, articolati su due torri di 6 piani ciascuna. Gli appartamenti sono suddivisi in 5 tipologie, che variano tra i 150 ed i 300 metri quadri, compresi i grandi balconi che si affacciano sul mare.

Al piano terra, una grande lobby unisce le torri, accoglie residenti e visitatori per guidarli verso le numerose attrazioni: si può scegliere di passare un pomeriggio nella sala giochi giocando a bowling, nella spa per farti un rilassante massaggio, nella palestra ad allenarsi oppure all'interno della grande piscina infinity con vista sul mare. Sono inoltre presenti una sala conference, un ristorante, un cinema all'aperto, servizio di noleggio barche e zone per lo studio e relax.

Limitazioni progettuali:  
 Forma del lotto  
 Vista

Il pesce-spada (simbolo locale)  
 Curve sinuose  
 Velocità  
 Dinamicità

Amenities:  
 Solar panels  
 Heat pumps  
 Green spaces  
 Swimming pool  
 Gym  
 Spa  
 Conference room  
 Restaurant  
 Cinema

University of Florence  
 DIDA - School of  
 Architecture

### Italian Winners

1. Lorenzo Calami
2. Gabriel De Vuono
3. Alejandro Caputo

3<sup>rd</sup>  
 Prize  
 Bronze  
 medal



# MED Green Forum-5 International Student Award 2019

AET programme students of Smart Building course (ARCN 303) project  
won the 3<sup>rd</sup> Prize



5<sup>th</sup> Sept. 2019, DIDA – UNIFI  
Florence, Italy



# MED Green Forum-5 International Student Award 2019

AET programme students of Smart Building Course (ARCN 303) won the  
**3<sup>rd</sup> Prize**



5<sup>th</sup> Sept. 2019, DIDA – UNIFI  
Florence, Italy

Mohamed Shahwan, Yasmina Ragab, Fatma Ali, Mohra Magdy and Sherifa Elhagan  
Receiving the 3<sup>rd</sup> Prize Award



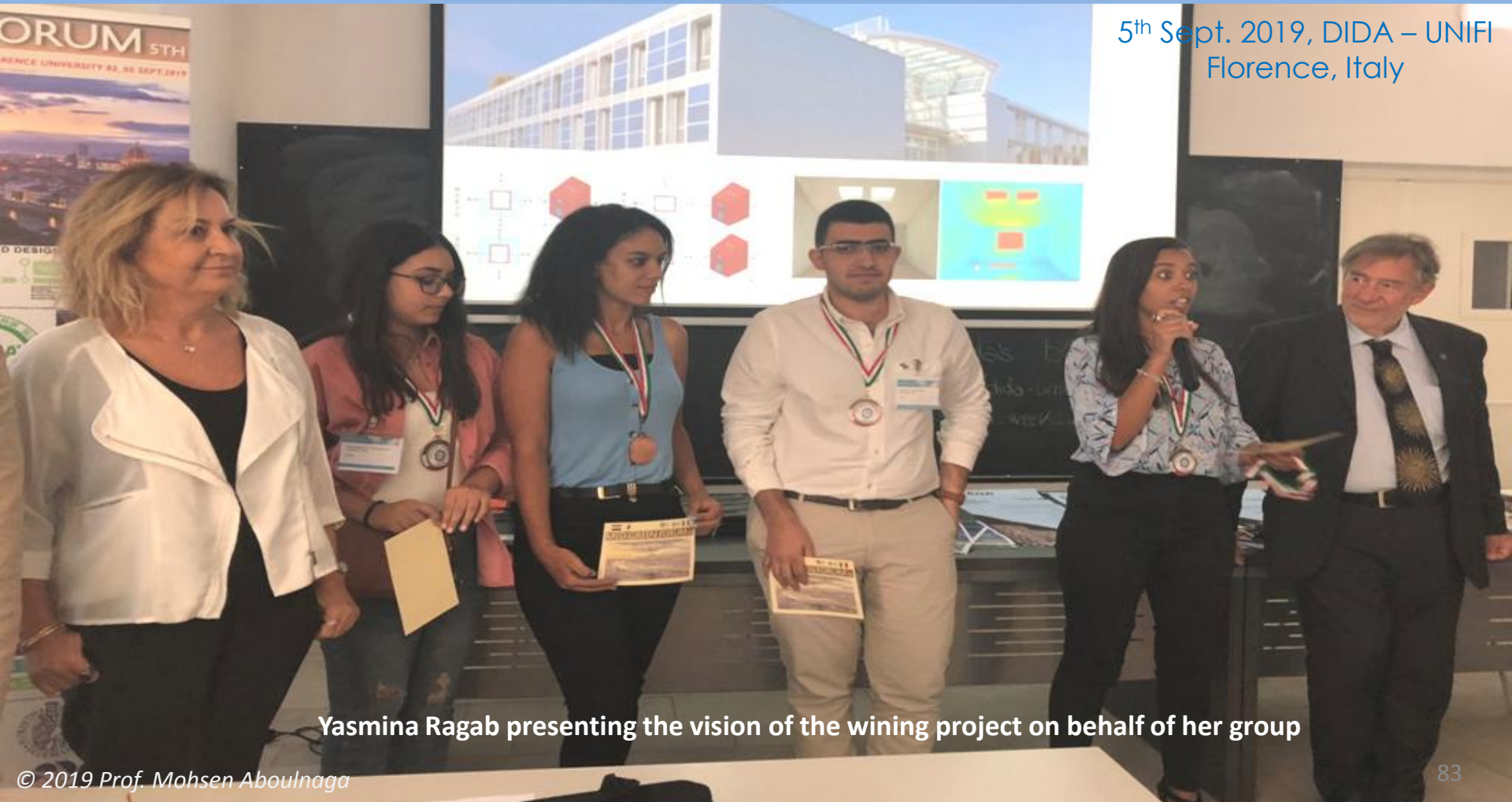
# MED Green Forum - 5 International Student Award 2019

Thursday, 5<sup>th</sup> Sept. 2019, DIDA School of Architecture, University of Florence, Italy



# MED Green Forum-5 International Student Award 2019

AET programme students of Smart Building Course (ARCN 303) project won the  
3<sup>rd</sup> Prize



5<sup>th</sup> Sept. 2019, DIDA – UNIFI  
Florence, Italy

Yasmina Ragab presenting the vision of the winning project on behalf of her group



# MED Green Forum-5 International Student Award 2019

AET programme students of Smart Building Course (ARCN 303) project won the  
3<sup>rd</sup> Prize

5<sup>th</sup> Sept. 2019, DIDA – UNIFI  
Florence, Italy



The wining project

# MED Green Forum - 5 International Student Award 2019

Thursday, 5<sup>th</sup> Sept. 2019, DIDA - School of Architecture, University of Florence, Italy

## *MED Green Student Award Ceremony*







# MED Green Forum – 5

## 5<sup>th</sup> MEDITERRANEAN GREEN BUILDINGS & RENEWABLE ENERGY FORUM 2019

2<sup>nd</sup> to 5<sup>th</sup> September 2019, Florence, Italy

*Smart Building Students at MED Green Forum 5*





# MED Green Forum – 5

## 5<sup>th</sup> MEDITERRANEAN GREEN BUILDINGS & RENEWABLE ENERGY FORUM 2019

2<sup>nd</sup> to 5<sup>th</sup> September 2019, Florence, Italy

DIDA – School of Architecture- UNIFI

### *Research and Smart Building Students at MED Green Forum 5*



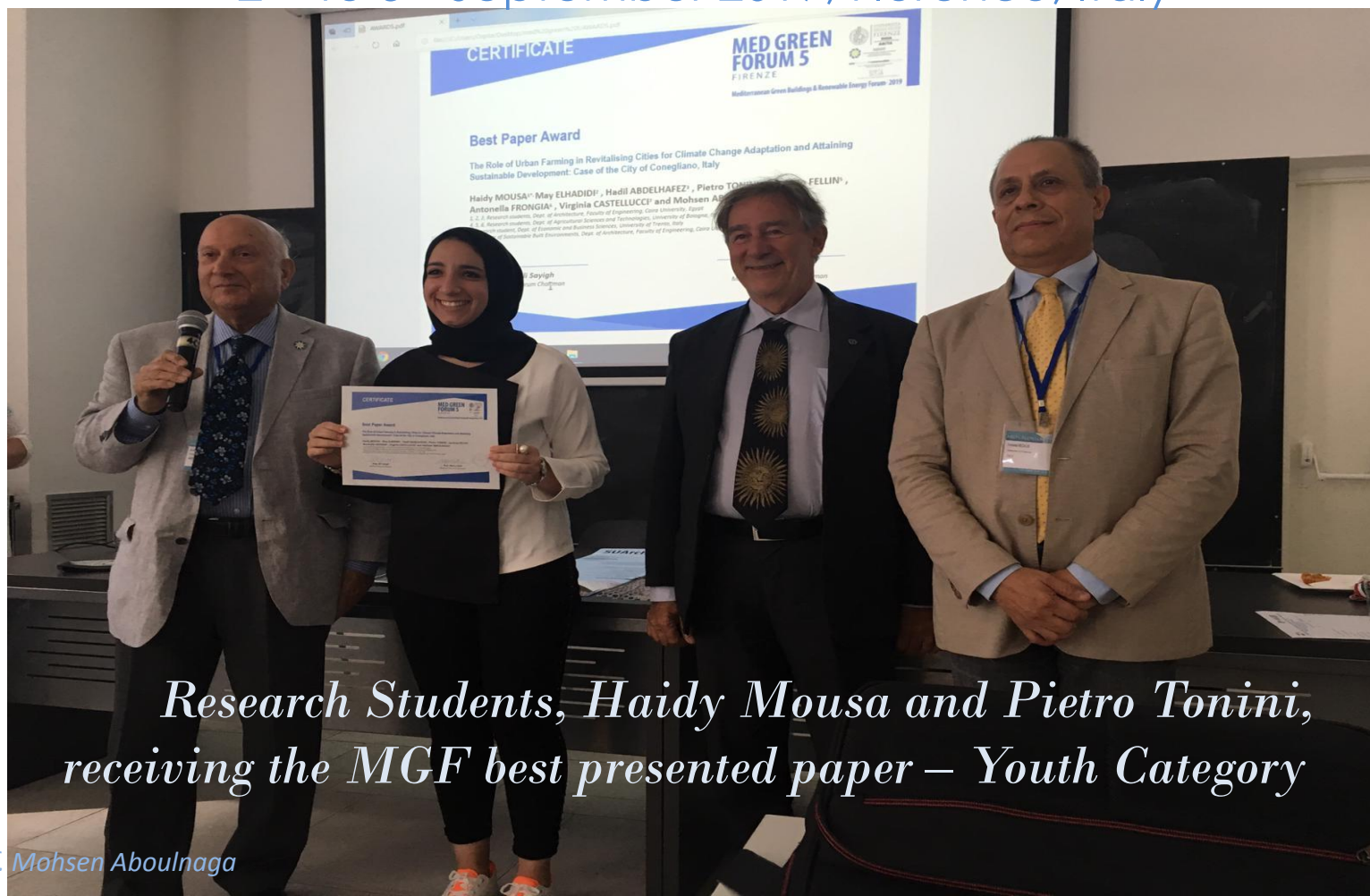




# MED Green Forum – 5

## 5<sup>th</sup> MEDITERRANEAN GREEN BUILDINGS & RENEWABLE ENERGY FORUM 2019

2<sup>nd</sup> to 5<sup>th</sup> September 2019, Florence, Italy



*Research Students, Haidy Mousa and Pietro Tonini,  
receiving the MGF best presented paper – Youth Category*



## MED Green Forum – 5

### MED Green International Student Award 2019

5<sup>th</sup> MEDITERRANEAN GREEN BUILDINGS & RENEWABLE ENERGY FORUM

5<sup>th</sup> September 2019

DIDA - School of Architecture, University of Florence, Italy

*Prof. Dr. Mohsen Aboulnaga received  
MGF Award Medal for his  
International Contributions*





## MED Green Forum – 5

### MED Green International Student Award 2019

5<sup>th</sup> MEDITERRANEAN GREEN BUILDINGS & RENEWABLE ENERGY FORUM  
2<sup>nd</sup> to 5<sup>th</sup> September 2019

DIDA - School of Architecture, University of Florence, Italy

*Prof Aboulnaga's Award*





# MED Green Forum – 5



5<sup>th</sup> MEDITERRANEAN GREEN BUILDINGS & RENEWABLE ENERGY FORUM 2019

2<sup>nd</sup> to 5<sup>th</sup> Sept. 2019, DIDA School of Architecture, University of Florence, Italy



*Awarding Professor Dr. Mohsen Aboulmaga the MGF Award  
for his international stance and contributions*





# MGF-5 & MED Green Int'l Student Award 2019



5<sup>th</sup> MEDITERRANEAN GREEN BUILDINGS & RENEWABLE ENERGY FORUM

2<sup>nd</sup> to 5<sup>th</sup> September 2019, Florence, Italy

## Final Remarks

- It was a great opportunity to expose the 30 students to the International arena and provide an opportunity to participate in and showcase their excellent work and groups' projects; an encounter that is highly appreciated by everyone (organisers, jurors, professors, international delegates and Italian students as well as our students),
- Lessons learnt are many, e.g., nothing is impossible, if students work hard and try to capture seemingly the opportunities around them; they can make it and be recognised internationally and get there, yet improve their skills and gain new ideas, experience and knowledge.



# MGF-5 Green Int'l Student Award 2019



5<sup>th</sup> MEDITERRANEAN GREEN BUILDINGS & RENEWABLE ENERGY FORUM  
2<sup>nd</sup> to 5<sup>th</sup> September 2019, Florence, Italy

- Thanks to **Prof. Dr. Mohamed O. AlKhosht** for his endless and continuous support. A heartfelt appreciation to **Prof. Dr. Elsayed Tag Eldin**, Dean of Engineering for his full support and immediate approval. Thanks is also due to **Prof. Dr. Sherine Wahba**, Vice Dean of Engineering for Education and Student Affairs for her constant support for students and coordination of the trip as well as providing partial funding for the registration of Nine (9) students. Thanks also to **Prof. Dr. Hanan Elersy** and **Prof. Dr. Heba Khalil** for their support during the preparation of the trip to Italy.
- Finally, I thank **Prof. Dr. Paolo Sabbatini** and **Italian Cultural Institute (ICI)** for the full and endless support as well as funding two flight tickets for two students to make it to MGF-5 in Florence. I also express my heartfelt appreciation to **His Excellency Giampaolo Cantini, Ambassador of Italy to Egypt and the Italian Consulate** as well as **Prof. Dr. Giuseppina Capriotti Vittozzi** for the full assistance and facilitating the visa for 30 students. Last but not least, I express my sincere thanks to the Management of The United Bank – TUB, particularly **Mr. Ashraf Elkady, Chairman of the Board** and **Mrs. Nevine Kashmiry, Deputy Chairman** and **Mrs. Germiné Amer Director of SCR** and institutions' support for facilitating the full funding of support for two research students to present their research papers at MGF-5 at the University of Florence, Italy.





# MGF-5 and MED Green Int'l Student Award 2019

5<sup>th</sup> MEDITERRANEAN GREEN BUILDINGS & RENEWABLE ENERGY FORUM

DIDA – School of Architecture, University of Florence (UNIFI)

2<sup>nd</sup> to 5<sup>th</sup> September 2019, Florence, Italy

*Thank you*