

Management report 2018

RMEI founded in 1997, celebrates its 22th anniversary this year. The network gathers nowadays ninety regular and associate members participating in events and programs proposed by RMEI. Our 2019 general assembly is organized at Rome the 27th of march with the help of the Sapienza University of Rome, Civil and Industrial Engineering Faculty. This meeting will be devoted to the examination of the annual reports of the year 2018 and the new member candidacies.

Preamble

Following the election, during General Assembly at Marrakech in april 2018, the board was modified to allow a better representativeness of all the members of RMEI. The new elected president does wish to reaffirm the mission of RMEI: networking among Engineering schools within which students are encouraged to set up networks and can link up with the labor world and with the institutions of our Mediterranean countries.

Four main strategic lines are indicated below:

- Networking through education
- Networking through students' cultural events
- Networking through research programs and projects
- Networking through the organization of internships with businesses and the institutions.

1. Network management

1.1 Bureau

President Pr Mara LOMBARDI (IT)
Vice-President Pr Fatma ASHOUR (EG)
General Director Pr Olivier BOIRON (FR)
Treasurer Pr Georges LE PALEC (FR)
Communication manager Dr Moncef GHISS (TN)
Membership committee president: Pr Fouad BENNIS (FR)

1.2 Actual Board

<http://rmei.info/index.php/fr/news-2/qui-somme-nous/conseil-d-administration-2018-2020>

Mara LOMBARDI, President (Sapienza Univ. Rome IT / supp. Francesco LOSURDO CUM IT))

Fatma ASHOUR, Vice-President (Cairo Univ. EG) / supp. Yasser DESSOUKI (Arab Academy for Science Technology and Maritime Transport EG))

Tilda AKIKI (Univ. Saint Esprit de Kaslik LB) / supp. Michel HAYEK (Notre Dame Univ. LB))

Frédéric FOTIADU (Ecole Centrale Marseille FR) / supp. M. Fouad BENNIS (Ecole Centrale de Nantes FR))

Anastasia ZAMPANIOTOU (Aristotle Univ. of Thessaloniki GR) / supp. Sotos VOSKARIDES (Cyprus Univ. of Techn. CY)

Maher NATSHEH (An Najah National Univ. PS) / supp. Lourdes REIG (Univ. Politecnica di Catalogna ES)

Khalid NAJIB (Ecole Nationale Supérieure d'Ingénieurs des Mines de Rabat MA / supp. Hassan FNINE GEC Marrakech)

Mondher ZIDI (Ecole Nationale d'Ingénieurs de Monastir TN / supp. M. Ahmed CHEIKLARBI Ecole Nationale Supérieure d'Ingénieurs de Tunis TN)

RMEI
Réseau Méditerranéen
des Ecoles d'Ingénieurs

Conseil
d'administration
2018 -2020

Présidente
Prof. Mara LOMBARDI
Université de Rome "La Sapienza",
ITALIE

VICE Présidente
Prof. Fatma ASHOUR
Université du Caire,
EGYPT

Directeur Général
Prof. Olivier BOIRON
École Centrale Marseille,
FRANCE

Trésorier
Prof. Georges LE PALEC
Aix-Marseille Université,
FRANCE

Membre
Prof. Mondher ZIDI
École Nationale d'Ingénieurs
de Monastir, TUNISIE

Membre
Prof. Tilda AKIKI
Université Saint-Esprit de Kaslik,
LIBAN

Membre
Prof. Frédéric FOTIADU
École Centrale Marseille,
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Membre
Prof. Khalid NAJIB
Ecole Nationale Supérieure
d'Ingénieurs des Mines
de Rabat, MAROC

Membre
Prof. Anastasia
ZABANIOTOU
Université Aristote de
Thessalonique, Grèce

Membre
Prof. Maher NATSHEH
Université Nationale An-Najah,
Palestine

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1.3 RMEI programme leaders

GAME President: Mrs **Dhekra RHAJEM** (TN)

HOMERe coord.: Pr **Léo VINCENT** (FR)

Michelangelo workshop coord.: Pr **Massimo GUARASCIO** (IT)

TARGET H2020 scientific coord.: Pr **Anastasia ZABANIOTOU** (GR)

Tunelt resp. : Pr **Enzo SIVIERO** (IT)

CLIMed resp: Pr **Olivier BOIRON** (FR) & Dr Moncef GHISS (TN)

Med-accreditation resp: Pr **Ahmed BEN CHEIKH LARBI** (TN)

2. Members



Since our 2014 General Assembly, RMEI members are gathered in five colleges: engineers, managers, associated members, agronomists and architects. It represents 48 active members.

Members: <http://rmei.info/index.php/fr/news-2/membres/ecoles-d-ingenieurs>

New members: <http://rmei.info/index.php/fr/news-2/membres/ecoles-d-ingenieurs-2>

3. RMEI programme activity reports

All the report activities can be found on the web site below:

<http://rmei.info/index.php/fr/reviews-2/204-general-assembly-2019>

3.1 2018 GAME Activities

<http://www.rmei.info/index.php/en/programme/michel-angelo/what-is-game>

GAME activities report (Beirut-Paris)

A - GAME and RMEI representation in Beirut EAMC general assembly meeting

Location: Order of engineers in Beirut

Date: September 7th , 2018

GAME and RMEI representents: Christine Abdel Nour, Massimo Guarascio, Tilda Akiki

Presented work to the assembly and discussed topics:

- GAME and RMEI networking and academic values and objectives
- Presentation of GAME as a resilient network from different perspectives
- GAME Newsletter (see: <http://www.rmei.info/images/pdf/GAME2019.pdf>)
- GAME committee and Michelangelo Workshops events and activities
- Presenting our future Michelangelo Workshop 2019 exposing Urban Resilience different aspects and topics that will be explored
- Presentation of target project
- Presentation of the WSCE (STC), proposed by RMEI and supported by Sapienza University Engineering Faculty, will be chaired by Mrs. Mara Lombardi – University of Rome Sapienza and RMEI's President and members of the Institutions partners of RMEI and of EAMC.
- Presentation of the YEFL (Young Engineers Future Leaders) proposed by RMEI and supported by USEK (Lebanon) and Sapienza University of Rome (Italy) within the frame of the following topics:
 - a. Educational exchanging, development of skills and versatility.
Promotion of mobility, co-research studies
 - b. Future of Renewable Powered Electrical Energy Systems in our Mediterranean world
 - c. Urban resilience within smart cities dealing with crucial risks and safety procedures and plans
 - d. Urban resilience within smart cities in transportation sector
 - e. Globalization: International mobility, internship and exchange opportunities
- EAMC competition organized by Mr. Walid El Baba (EAMC member)

B - GAME and RMEI representation in EFEED General Assembly

Location: Paris (Mondial de l'automobile, Porte de Versailles)

Date: October 10th 2018

GAME and RMEI representents: Christine Abdel Nour, Mara Lombardi, Massimo Guarascio.

Discussed topics:

- EFEED Association news and nominations
- Partnership and membership between RMEI and EFEED
- President Mara Lombardi and Prof. Massimo Guarascio presented future work and projects targeting earthquakes.
- The activity of RMEI currently focuses on the project TARGET (Gender Equality) as well as on the HOMÈRE program supported by the European Commission
- Christine Abdel Nour, as GAME ambassador presented the organization of Michelangelo workshop 2019 devoted to Resilience: the topics will cover smart cities, renewable energies, natural risks, the impact on Mediterranean tourism as well as the social dimension of resilience. In parallel, these workshops represent a privileged place for cultural exchanges between students with artistic activities:
Painting, theater ... At Forte Michelangelo, each student presents a project; a forum with industrial internship offers is also planned.
- Pr. Massimo Guarascio also mentions that some presentations will be devoted to the disasters of Genoa bridge and the Fukushima Central.

- Jean-Luc di Paola-Galloni proposes to take part in these events and may participate at the RMEI GA (March 2019).

C - GAME and RMEI representation in EFEED meeting

Location: Paris, IRIS CAPITAL

Date: November 27th 2018

GAME and RMEI representents: Christine Abdel Nour

Discussed topics:

- 1st Urban Resilience Conference (May 31st-June 1st 2018 EESC/Cor, Brussels) : Proceedings, Recording, Editorial, Dissemination, Follows-up. (In which Monica Cardarilli, Christine Abdel Nour and Massimo Guarascio participated at scientific and organizational levels).
- 2nd Urban Resilience Conference (Prague). Date :October 3-4 2019
- Michelangelo WS presented by Christine Abdel Nour: Organisation, Dates, Preparation with Resilient Regions, Cooperation with Valeo
- ERASMUS PLUS project: Coordination: EFEED/RMEI/CIIRC//Partners: RMEI, ENQHEEI, Resilient Regions, ERTRAC, 100 RC, FERMA, EUROCADRES, Resilient Engineering Network, CLUSTER, Vernadsky Univ/RAEE// Participating Universities: CIIRC/CvUT, La Sapienza, UPC-Barcelonatech, Mines-Paristech, AASTMT, Tambov STU

NEXT & FORTHCOMING RMEI AND GAME EVENTS: march 28th GAME Day, “Blue Economy and Marine&Maritime Professional jobs for Mediterranean”, GAMeMichelangeloHomere Forum (Civitavecchia, Port Authority).

3.2 2018 HOMERe Activities

<http://homere-med.org/index.php/fr/>

An initiative for improving employability of graduates

In 2013, RMEI and the French Foreign Trade Advisors (CCE F) through their South Committee launched the project HOMERe to establish a relation between the near graduated students of the RMEI universities and the economic world so to improve employability. This project has been labelled by a unanimous vote of the 43 representatives of the member states of the Union for the Mediterranean (UfM). This new program was launched on March 2015 in Marseille.

Our ambition is to give all the Mediterranean students the possibility to run an internship abroad in a company. For master students, we propose that this project is run during the last semester and that the defence is done in the outcoming university so to minimise the risks of brain drain.

Activity in 2018

RMEI participated to the success of the workshop organized in Rabat on May 4th, 2018. This workshop gathered companies, universities and Local authorities to promote the HOMERe internship as a good way for finding a first job in the native country. More than 250 participants

exchanged ideas to better fit the needs of companies and the will of students. The success of this symposium was mainly a consequence of the strong investment of the Ministry Saaïd AMZAZI (Ministre de l'Education nationale, de la formation professionnelle, de l'enseignement supérieur et de la recherche du Maroc)

A bilan of the program was presented to the UfM secretariat on February. UfM invited HOMERe to the Med4Jobs meeting Barcelona (October 8)

RMEI participated to the creation of the new association HOMERE FRANCE (May 2018)

One of the main objectives remained of course to find international internships and to select good students.

Proposals for 2019

RMEI will support HOMERE France regarding the European project "Migration Légale" that has just been proposed to ICM PD.

The objective is to organize 250 internships and to increase the number of countries involved in HOMERe.

RMEI is a partner for the organisation of the colloquium to be held in Civitavecchia on March 28th. The theme of the symposium is to promote HOMERe in the field of Sea trades.

3.3 2018 Michelangelo workshop Activities

<http://www.rmei.info/index.php/en/programme/michel-angelo/what-is-game>

Proposals for 2019

VII WORKSHOP MICHELANGELO: JUNE 26-30 2019 Sapienza ROME and l'Aquila University

Topics

- Cultures of Mediterranean
- Resilience and Disaster Risk Reduction: Mobility Resilience and Territorial Resilience
- Environment Resilience and Industrial Risk Reduction

June 29th: L'Aquila day

The day that will be spent in L'Aquila focuses on natural risks and will be divided into two parts: firstly, a guided tour of the building sites of the city's historic centre and, secondly, a gaming simulation based on seismic risk in L'Aquila. During the tour, the participants will be able to see a unique European example of a whole historic centre in which the reconstruction is undertaken using innovative techniques and equipment. The tour will be guided and presented by technical experts. After having lunch at the Roio Engineering Campus, the participants, divided into thematic teams (transportation and mobility, environment, public areas, services, housing), will take part in a gaming simulation session, and will have to come up, depending on their assigned roles, with a plan with different outcomes in the eventuality of a seismic event. The day will end with feedback from the experts.

3.4 2018 TARGET H2020 Activities

<http://rmei.info/index.php/fr/programme/h2020-target/target-h2020>

1. Organization of 3 Institutional Workshops, ECM, France
2. Organization of 1 Capacity Building Workshop, ECM, France
3. Participation on other Capacity Building Workshops (Belgrade, Milano)
4. Creation of a Working Group
5. Communication activities (Web-site, Facebook)
6. Creation of a questionnaire on gender equality, SURVEY-AUDIT
7. Report and results analysis of the SURVEY
8. Dissemination (2 conferences)
9. Creation of Gender Equality Strategy (GES) Statement
10. Organization of the 1st GES, ENISo, Sousse, Tunisia
11. Organization of the 2nd GES, SAPIENZA ROME, Italy
12. Planning of next activities in Maroc, Egypt, etc

3.5 2018 TuneIt Activities

<http://www.tuneit.tn/fr/>

3.6 2018 CLIMed Activities

<http://rmei.info/index.php/fr/programme/climed>

CLIMed aims to raise awareness among young engineers during their program of training, on the problem of climate change in the Mediterranean.

The CLIMed program has started for more than two years ago in several Mediterranean countries France, Tunisia, Morocco and Lebanon, offering to the students the study of meteorology in their city/institution by designing and setting up a network of meteorological stations and monitoring of urban pollution.

Today about eight establishments, French, Moroccan, Tunisian Egyptian and Lebanese, are taking part in the programme and are exchanging views on practical ways of designing and implementing their stations.

It is estimated that this project will improve the weather stations, already in place, by making them more reliable and efficient in order to monitor port pollution.

For this purpose, the RMEI has participated with CLIMed at the first meetings of the Mediterranean Climate House of Tangier (Morocco).

This project was presented on Saturday 16 December 2017 by Mr. Moncef GHISS member of RMEI. The project has been selected and is labeled Mediterranean Climate House of Tangier.

At the same time, we are working on the development of a digital platform for fine modelling of atmospheric pollution based on weather forecast using WRF software and CHEM module for atmospheric chemistry.

The main objective is to observe more precisely the pollution caused by cruise ship close to the Mediterranean port areas which is near to the urban centers. A working group is constituted with:

- The Ecole Centrale de Marseille,
- The ENISo of Sousse,
- The Ecole des Mines de Rabat,
- The Arab Academy of Alexandria.

Currently two master students (ENIM Monastir and Ecole Centrale Marseille) are performing their Master thesis project on that topic.

Summary of CLIMEd Program

Description:

- Mediterranean is a part of the world "hot spots" of climate change,
- Responses to climate change need a global approach where intercultural dialogs are at the heart.

Aims:

CLIMEd is a RMEI programme that aims:

- to develop outreach activities for students relative to this topic during their training
- to propose dedicated lectures, workshops, etc
- to foster dialogues between engineers, architects, managers and agronomists by bringing them in working groups on relevant topics (green building, smart cities, water management, pollution)

CLIMEd programme for Air pollution in coastal cities

What: Air pollution in coastal cities due to cruise ship traffic

- Cruise ships come closer to the city centers generating strong nuisance for the inhabitants
- The situation can only get worse given the inexorable increase in traffic,
- MARPOL protocol has put in place-controlled emission zones in which the sulfur content of fuels are regulated (Sulfur Emissions Control Areas, SECAs): unfortunately not in the Mediterranean area, (before 2020-2025)

How: by a research programme in 3 points

- Make an inventory (traffic and pollutant measurements) of the situation in a group of 5-10 cities
- Scientific analysis by numerical modelling (computing the real impact of the pollutant by coupling state of the art Weather Forecast and pollutant transport software)
- Propose sustainable solutions for the electric supply of boats (offshore wind turbines / Fuel cells)

With: companies, researchers and young engineers during their training

- Top labs all around the Mediterranean will propose internships on that topics
- High quality internships benefiting of the HOMERe management: 2018-2019 the program will start with 10 internships.

Main outcomes:

- Real data on the problem in several cities
- Better knowledge of the pollutant behaviour in the urban area

- Proof of feasibility of innovative sustainable solutions
- Training of young engineers/managers/architects on the field
- Make reports for policy makers.

3.7 2018 Med-accreditation Activities

<http://www.rmei.info/index.php/en/news-5/news/247-third-edition-of-the-network-congress-on-the-accreditation-of-engineering-3ieme-edition-de-medaccred-2>

Like the two last editions, MEDAccred is an opportunity given to the graduated engineering schools to take knowledge of the main procedures of international accreditations. The one day and half seminar is also designed to allow exchanges and sharing experiences between the participants and the accreditation agency representants.

The third edition of the RMEI symposium on the accreditation of engineering courses will be held at the National Polytechnic School of Oran - Maurice Audin at ORAN (DZ) on 24-25 April 2019. The organizing committee met in Oran on 28/10/2018 to stop the conference program.

The symposium is organized by RMEI, ENPO-MA and the Algerian National Accreditation Agency CIAQES.

The 3rd edition of MEDAccred will be held at the National Polytechnic School of Oran - Maurice Audin in ORAN (DZ) on 24-25 April 2019.

4. Financial balance sheets

Balance sheets are prepared by the accounting firm MC2, 66 Boulevard Barry 13013 MARSEILLE
tel: +33(0)4 91 34 38 40

4.1 2018 Financial statement

Total assets	31/12/2018	31/12/2017
Total immobilized assets (€)	920,15	2161,75
Total current assets (€)	192610,22	161731,04
Grand total (€)	193 530,37	163 892,79
Total liabilities	31/12/2018	31/12/2017
Association funds (€)	57 178,58	67 261,59
Total liabilities (€)	136 531,79	96 631,20
Grand total (€)	193 530,37	163 892,79

4.2 2018 Income statement

	31/12/2018	31/12/2017
Operating subsidies	40 221,18	75 352,75
Depreciation and provision expenses, expense transfers	22 529,93	57 589,74
Donations		1302
Annual subscriptions	47 000,00	38 500,00
Other products		0,26
Total revenues (I)	109 751,11	172 744,75
Other purchases and external expenses	59 528,28	99 345,42
Wages and salaries	2 511,50	13 680,68
Social costs		3 052,44
Net recurring allowance on fixed assets	1 241,60	1 721,00
Net recurring current assets	41 300,00	18 500,00
Other expenses	22 500,00	49 250,00
Total operating expenses (II)	127 081,38	185 549,54
Operating result (IV)=(II)-(I)	-17 330,27	-12 804,79
Financial products (V _a)	606,38	936,74
Losses on exchange (V _b)	103,40	65,90
Financial result (V)	502,98	870,84
Current operating income (VI)=(IV)+(V)	-16 827,29	-11 933,95
Exceptional expenses (VII)		-5 995,41
Exceptional result (VIII)	6744,28	5 995,41
Total revenues (I)+(V _a)+(VIII)	117 101,77	173 681,49
Total charges (II)+(VII)+(V _b)	127 184,78	191 610,85
Balance	-10 083,01	-17 929,36

2018 Expenses by item	(€)
MedACCRID	3765,23
CLIMed	724,40
Internet service	314,95
Insurance	282,00
TARGET	38 983,93
Miscellaneous costs	22,00
Travel expenses	7 705,51
HOMERe	4 331,00
Accounters	2 265,00
Bank fees	1 133,96

4.3 Status of bank accounts at 12/31/2018

Current account :	13 656,33 €	11 252,53 €
Livret Associatif :	47 417,76 €	76 963,35 €
CLS :	110,75 €	10 108,87 €
Term deposit:	30 000 €	30 000 €

4.4 Proposed budget for 2019

Revenues	(€)	Expenses	(€)
74 Operating grant:			
H2020 TARGET	25 000	H2020 TARGET	25 000
UN-TARGET	6250	UN-TARGET	6250
TUV-Aidas	12 500	TUV-Aidas	12 500
Members contributions	20 000	Overhead fees	8 500
Financial income	1000	Game/ Michelangelo WKS	4000
		HOMERe	1500
		Climed	2000
		AccriMed	2000
		Summer schools	3000
87 Voluntary contributions	39 000	87 Voluntary contributions	39 000
Total	103750		103750

Mara LOMBARDI

RMEI President



Fatma ASHOUR

RMEI vice- President



Olivier BOIRON

RMEI Director General

