

Tuesday, 31 October 2017

19:30 | ARRIVAL OF PARTICIPANTS
Get-Together at Hotel Restaurant

Wednesday, 01 November 2017

Venue: Hassan II Academy for Sciences & Technology

08:30 – 09:00 | GATHERING AT THE HOTEL LOBBY
AND TRANSFER TO VENUE

09:00 – 09:30 | OPENING RECEPTION

09:30 – 10:00 Welcome Addresses

10:00 – 10:30 Inaugural conference
Mosto Bousmina
(EuroMed University Fes, Morocco; Hassan II Academy of Sciences and Technologies, Morocco)
Nanoscience & Nanotechnology

10:30 – 10:45 | GROUP PICTURES

10:45 – 11:00 | COFFEE BREAK

11:00 – 13:00 | 1ST SESSION

Nanomaterials:
Medical Applications and Health Care
Chairman: **El Hassan Saidi**
(Hassan II Academy of Sciences & Technology, Morocco)

Speakers:
Vincent Bouchiat
(Université Grenoble Alpes, France)
Biological and biomedical applications of graphene
Pedro Serena
(Consejo Superior de Investigaciones Científicas, Spain)
Nanotechnology: From laboratory to markets, from benefits to risks
Discussion

13:00 – 14:00 | LUNCH BREAK

14:00 – 15:45

2ND SESSION

Nanotechnology:
Benefits and Applications in Energy
Chairman: **Henda Mahmoudi**
(International Center for Biosaline Agriculture Dubai, UAE)

Speakers:
Claudio Melis
(University of Cagliari, Italy)
Reducing thermal transport to increase efficiency in thermoelectric conversion
Najia Komiha
(Faculty of Sciences, Mohammed V University, Rabat, Morocco)
CO₂ capture and storage by Zeolitic Imidazole Frameworks
Abdelkarim Elkaddib
(EuroMed University Fes, Morocco)
From biomass waste to carbon-based nanomaterials
Discussion

15:45 – 16:00

| COFFEE BREAK

16:00 – 18:00

| EXCURSION TOUR THROUGH
THE OLD DOWNTOWN OF RABAT

18:00

| TRANSFER TO HOTEL

18:15 – 19:15

WORKING GROUP MEETING I

(Only for members of the WG Energy, Water and Environment)

19:30

| GATHERING AT THE HOTEL LOBBY
AND TRANSFER TO RESTAURANT

20:00

| DINNER
Traditional Moroccan Restaurant “El Bahia”

Thursday, 02 November 2017

Venue: Mohammed V University in Rabat, Madinat Al Irfane

08:30

| GATHERING AT THE HOTEL LOBBY
AND TRANSFER TO VENUE

09:00 – 10:45

3RD SESSION

Nanotechnology for Environmental Engineering
Chairman: **Mohamed Daoud**
(Faculty of Science Ain Chock, Casablanca, Morocco)

Speakers:
Nicolas Martin
(FEMTO-ST Institute, BESANCON Cedex, France)
Tunable architectures of nanostructured thin films: Resulting properties and application as gas sensors
Habib Elhouichet
(University of Tunis El Manar, Tunisia)
Zinc stannate based substrates: Strategies for efficient interfacial charge to improve photocatalytic activity
Fayçal Djefal
(University of Batna 2, Algeria)
A novel high-performance self-powered ultraviolet photodetector
Discussion

10:45 – 11:00

| COFFEE BREAK

11:00 – 13:00

4TH SESSION

Nanotechnology for Solar Energy Collection and Conversion
Chairman: **Mimoun Harnafi**
(Scientific Institute, Mohammed V University, Rabat, Morocco)

Speakers:
François Le Normand
(IPCMS Institut de Physique et Chimie des Matériaux de Strasbourg, France)
Oriented carbon nanotubes and graphene films: Relations preparation/properties/applications
Samir Romdhane
(University of Carthage, Tunisia)
Efficiency improvement of nanostructured organic solar cells

Matthias Thiele

(Leibniz Institute of Photonic Technology, Reg. Assoc., Jena, Germany)

Plasmonic nanomaterials: From fabrication to application

Discussion

13:00 – 14:00

LUNCH BREAK

14:00 – 15:45

5TH SESSION

Nanomaterials for Clean and Sustainable Technology

Chairman: **Mohammed Bennai**

(Faculty of Sciences Ben M'sik, Casablanca, Morocco)

Speakers:

Joydeep Dutta

(KTH Royal Institute of Technology, Sweden)

Nanotechnology for sustainable water treatment

Abdalla Ahmed Elbashir

(University of Khartoum, Sudan)

Applications of nanomaterials in water purification

Ahmed Saad Gomaa Khalil

(University of Cairo, Egypt)

High performance patterned water desalination membranes

Hamza A. Rouabah

(LEA, University of Batna 2, Algeria)

The use of new design based on 3D electrodes

Discussion

15:45 – 16:00

COFFEE BREAK

16:00 – 17:15

EXCURSION TO CENTRE NATIONAL DE RECHERCHE SCIENTIFIQUE ET TECHNIQUE

17:15 – 18:00

EXCURSION TO HASSAN TOWER

18:00 – 18:15

TRANSFER TO HOTEL

18:45

GATHERING AT THE HOTEL LOBBY AND WALK TO RESTAURANT

19:00

FAREWELL DINNER

Restaurant "La Mamma"

Friday, 03 November 2017

DEPARTURE OF PARTICIPANTS

09:00 – 10:30

WORKING GROUP MEETING II

(Only for members of the WG Energy, Water and Environment)

Workshop Coordinator:

Lalla Btissam Drissi

Faculty of Science, University Mohammed V in Rabat, Morocco

Local Organizers:

R. Ahl Laamara

CRMEF-Fès Meknès

El Hassan Saidi

Hassan II Academy for Sciences & Technology

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Workshop Venues

Hassan II Academy for Sciences & Technology,

Km 4 Mohammed VI Avenue, Rabat, Morocco

Mohammed V University in Rabat, Avenue Mohammed Ben

Abdallah Rragui, Madinat Al Irfane, Rabat, Morocco

Conference Hotel

Cantor Hotel Terminus, 286 Mohammed V Avenue,

Rabat, Morocco

Contact: agya@bbaw.de

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Arab-German Young Academy of Sciences and Humanities (AGYA)

Workshop on

Nanotechnology Applications in Energy, Environment and Health: Benefits and Potential Risks

Rabat, Morocco

31 October – 3 November 2017

