



# Global Conference on Materials Sciences

Majesty Mirage Park Resort & Hotel, Kemer, Antalya, Turkey  
13-15 November 2014

## DRAFT PROGRAMME

### Sponsors

Near East University  
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Global Journal on Technology  
Global Journal on Computer Science  
Global journal on Information Technology  
Global Journal on Advances in Pure and Applied Sciences  
Association for Human, Science, Nature, Education and Technology (AH-TEC)

### Organization

Academic World Education and Research Center  
*Non-profit international organization*  
[www.awer-center.org](http://www.awer-center.org)

Dear Colleagues

Thank you very much for you to participate the Global Conference on Material Sciences in Majesty Mirage Park Resort & Hotel Convention Center in Kemer in Antalya, Turkey.

The GCMAS-2014 Draft Programme is published in our conference web site;  
<http://www.worldeducationcenter.eu/new/index.php/GC-MAS-2014/GC-MAS2014/schedConf/program>

If your presentation is not available in the draft programme, or you may withdraw your paper, please send the name of your article and its authors' names and ID number to [gc-mas.programme@globalcenter.info](mailto:gc-mas.programme@globalcenter.info) until 10 November 2014, 24:00 GMT+2. Your paper will take or out place in the programme in a short time.

In addition, GCMAS-2014 is published in our conference web site.

#### Full Paper Publication

All accepted papers (oral, poster and virtual) of COMENG-2014 will be published in Global Journal on Advances in Pure and Applied Sciences (ISSN: 2301-2706) and can be retrieved from [www.awer-center.org](http://www.awer-center.org) database (<http://www.awer-center.org/paas/>) and also submitted to SCOPUS and THOMSON REUTERS CONFERENCE PROCEEDINGS CITATION INDEX (ISI WEB OF SCIENCE) for evaluation for inclusion in the list.

#### Poster or Virtual Presentation

If you want to make POSTER or VIRTUAL PRESENTATION, please send us an email [mas.programme@globalcenter.info](mailto:mas.programme@globalcenter.info) about your presentation type until 10 November 2014. Thus, we can organize the presentations.

#### Full Paper Submission

Due to popular demand, the full paper deadline will be extended 30 November 2014 and the Camera-ready submission for publication at December 20, 2014. This mean you should participate the conference and present your full paper at the conference (oral, poster or virtual) and after the criticism during the conference you will have chance to make your last changes in the last version of your full paper and submit again until 30 November 2014. For full paper Template and Guidelines of Author <http://www.gc-mas.org/>

#### Best Poster Award and Paper Poster Size:

The poster size is A0, equals 118 cm height x 84 cm length, or smaller. Please choose upright format and keep in mind that the font sizes should be big enough to allow your poster to be read from some distance. We suggest using a font size of 22 – 24 pt for texts and 60 – 70 pt for headings. You are kindly asked to bring your poster fully assembled and printed. The conference will offer the Best Poster Award to the three best posters. Please read the guidelines below carefully; <http://www.gc-mas.org/>

#### Session Chairman

If you want to be a Session Hall Chair in GCMAS-2014, please send an email to [gc-mas.programme@globalcenter.info](mailto:gc-mas.programme@globalcenter.info) till 10 November 2014, 24:00 GMT+2. Conference

Chairmen get certificates for this duty. Applicants must have at least PhD degree and speak English well.

#### Registration and Accommodation

Please visit these address to apply for registration, accommodation and free historical places tour [www.gc-mas.org](http://www.gc-mas.org)

#### Hotel Transfer

##### Antalya Airport to Hotels Transportation

*Option 1:* Municipality Transportation Services is serving transfers from Antalya Airport to Antalya Bus Station. You should get the bus whose number is 600. The bus is serving from 06.30 a.m. to 11.00 p.m. The fee is approximately 3 Turkish liras (1 Euro, 1.5 USD). After you get off from the bus at the Bus Terminal Station, you should take Kemer Tur's bus to Majesty Mirage Park Resort & Hotel. This shuttle is serving from 06.30 a.m. to 11.00 p.m as well. The price is 8 Turkish Lira (3 Euro, 3.5 USD) for bus. If you let know your minibus driver your hotels' name you will be able to get off just front of your Hotel. We recommend you to go by Municipality Transportation to Hotel.

Note: You should exchange your money as Turkish Lira for paying transportation services.

*Option 2:* If you would like to travel via another transfer, you can visit this website <https://www.transferciniz.com/> and you can book the transfer for Mirage Park Resort & Hotel.

*Option 3:* If you would like to, you can go to your Hotel from Antalya Airport by taxi. If you are one person it costs about 120 Turkish Lira (40 Euro, 50 USD), however if you are more than one person you can share this amount .

#### Bank Statements

On your arrival to the conference please do not forget to bring along with you your BANK STATEMENTS to show proof of your payments in order to be able to receive a receipt and not experience any inconveniences.

#### Weather Conditions

In order to be certain of the weather whilst your visit to Kusadasi, Izmir, Turkey. It would be a good idea to check out this web-site: [www.weather.com](http://www.weather.com) so that you can consider to take precautions during your journey in the touristic world of Ephesus.

#### Conference Venue

Majesty Mirage Park Resort & Hotel Convention Center  
Cumhuriyet Mahallesi, Ahu Unal Aysal Sokak. No:29 Goynuk-Kemer/ANTALYA

Best regards

Didem Islek

[gc-mas.register@globalcenter.info](mailto:gc-mas.register@globalcenter.info)

## IMPORTANT EVENTS

13 – 14 November 2014	
08:00 – 18:00	Registration

13.11.2014 09:30 – 10:30	Opening Ceremony
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TIME	TITLE	SPEAKER	HALL NAME
13.11.2014 10:30 – 11:00 Keynote 1	"Shape Memory Phenomena, and Physical and Crystallographic Basis of One and Two Way Shape memory Effect"	Prof. Dr. Osman Adıgüzel Fırat University, Department of Physics, Turkey	

11:00 – 11:30	Coffee Break
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TIME	TITLE	SPEAKER	HALL NAME
13.11.2014 11:30 – 12:30 Keynote 2	"Professional Development of Mathematics Teachers Through Lesson Study"	Prof. Dr. Adnan Baki Faculty of Education Karadeniz Technical University, Turkey	

12:30 – 14:00	Lunch Break
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15.11.2014 Saturday 08:30 – 18:00	Historical Places and Shopping Tour (Free) Perge, Aspendos and Antalya City Center
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13 / 11 / 2014, Thursday

13.11.2014 09:30 – 10:30	Opening Ceremony	
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TIME	TITLE	SPEAKER	HALL NAME
13.11.2014 10:00 – 11:00 Keynote 1	"Shape Memory Phenomena, and Physical and Crystallographic Basis of One and Two Way Shape memory Effect"	Prof. Dr. Osman Adıgüzel Fırat University, Department of Physics, Turkey	

11:00 – 11:30	Coffee Break
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TIME	TITLE	SPEAKER	HALL NAME
13.11.2014 11:30 – 12:30 Keynote 2	"Professional Development of Mathematics Teachers Through Lesson Study"	Prof. Dr. Adnan Baki Faculty of Education Karadeniz Technical University, Turkey	

12:30 – 14:00	Lunch Break
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ORAL PRESENTATIONS  
SESSION – I  
14:00 – 16:00

Hall 1,

TIME	TITLE	PRESENTER(S)/AUTHOR(S)
14:00 – 14:20	Hydrocerussite hexagonal disks: Synthesis, growth mechanism and application for battery anode	Hengrui Zhou
14:20 – 14:40	Optimization of CNC Turning for Aluminum alloy using Simulated Annealing Method	Alaa M. Ubaid, Shukry H. Aghdeab, Laith A. Mohammed A. Mohammed
14:40 – 15:00	Effects of High Potential Cathodic Protection on Fusion Bond Epoxy Coated Steel	Fawzi Ali Mohamed Elhamshri, Hamza Abdulmajed Khalfalla, Mohamed Mohamed Aboabboud
15:00 – 15:20	The Dielectric Properties of (PVA-PEG-PVP-MgO) and (PVA-PEG-PVP-CoO) Biomaterials	Ahmed Hashim Mohaisen
15:20 – 15:40	Structural, Electronic and Optical Properties of Sodium Nitrate NaNO <sub>3</sub> : An ab initio Study	Saida Bourahla
15:40 – 16:00		

16:00 – 16:20	Coffee Break
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SESSION – II  
16:20 – 18:00

Hall 1,

Session Chair :	Abdelkader Nouri	
TIME	TITLE	PRESENTER(S)/AUTHOR(S)
16:20 – 16:40	Characterization of GaN nanostructures by electron beam techniques	Lazhar Leghrib, Redha Aouati, Abdelkader Nouri
16:40 – 17:00	Preparation of (PVA-PEG-PVP-MgO, CoO) Nanocomposites and Study their Optical Properties	Ahmed Hashim Mohaisen
17:00 – 17:20	SURFACE FILM PROPERTIES AND THEIR ROLE IN THE STRESS CORROSION CRACKING OF STEELS	Giuma Sasi
17:20 – 17:40	A NONLINEAR MATERIAL MODEL FOR FIBROUS COMPOSITE MATERIALS AND ITS EFFECT ON IN-PLANE LAMINA STRESSES	Ghazi Abdelfattah R. Abu-Farsakh
17:40 – 18:00	The effects of acid and thermal treatment on the characterizations of Iran natural diatomite	Seyed Reza Azimi Pirsaraei, Hasan Asilian, Ahmad Jonidi Jafari

14 / 11 / 2014, Friday

SESSION – III  
09:00 – 11:00

Hall 1,

Session Chair :		
TIME	TITLE	PRESENTER(S)/AUTHOR(S)
09:00 – 09:20	Material science theorys	Dogan hasan
09:20 – 09:40	Corrosion evaluation of polypyrrole/multi-walled carbon nanotubes and its carboxylic functionalized composite coatings on 60Cu-40Zn brass alloy	Ali Davoodi, Saleheh Honarbakhsh, Gholam Ali Farzi
09:40 – 10:00	Formation of Hydrophilic Interpolymer Associated on Polyacrylic Acid Solution	Ibragim Esenovich Suleimenov
10:00 – 10:20	Preparation of Magnetorheological fluids using different carriers and detailed study on their properties	Vikram G Kamble, Sagar G Kamble, shreedhar kolekar
10:20 – 10:40	Abrasive Wear Performance of Aluminium Modified Epoxy-Glass Fibre Composites	Vikram G Kamble, Johnathan Bruce Fernandez
10:40 – 11:00		

11:00 – 11:20	Coffee Break
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SESSION – IV  
11:20 – 13:00

Hall 1,

Session Chair :		
TIME	TITLE	PRESENTER(S)/AUTHOR(S)
11:20 – 11:40	Dynamique de Fokker-Planck dans un potentiel périodique de Remoissenet –Peyrard	Ouahmane Mehdi
11:40 – 12:00	Calculation model for Scanning Tunnel Microscope. Application to nanostructure material surface	Adel Khen, Abdelkader Nouiri
12:00 – 12:20	SHELL HOMAGE - Experiments with unusual materials	Rania Mazen Elkalla
12:20 – 12:40	Investigation of Corrosion Resistance Property of Cold Deformed Duplex and Super Duplex Tubes	Utsav Raj Dotel, Torfinn Havn
12:40 – 13:00	Optical characterization of inhomogeneous thin layers materials by application of effective medium approximations	Mohamed BOUAFIA

13:00 – 14:00	Lunch
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SESSION – V  
14:00 – 16:00

Hall 1,

Session Chair :		
TIME	TITLE	PRESENTER(S)/AUTHOR(S)
14:00 – 14:20	Oily wastewater treatment using quartz filter bed modified by nano-silica	Ewa Knapik, Jerzy Stopa
14:20 – 14:40	New nanocomposite materials for desalination systems utilizing sun radiation	Ibragim Esenovich Suleimenov, Grigoriy Mun, Sergei Panchenko, Dina Shaltykova, Andrei Falaleev
14:40 – 15:00	New material for optical keyboards and sensor panels	Ibragim Esenovich Suleimenov, Grigoriy Mun, Zdenka Sedlakova, Sergei Panchenko, Dina Shaltykova
15:00 – 15:20	Nanocomposites: Rational approach for Gas sorption and Catalysis	Irshad Ahmad
15:20 – 15:40	Effect of saline environment on mechanical properties of adhesive joints	Ghassan Sobhi Elmasry, Mustafa EL-MUSBAHI, Hamza A Khalfalla, Ferhat KADIOGLU
15:40 – 16:00	The Use of Gene Vectors technology in Molecular Biology	hamid hamid kheyrocin

Hall 2,

Session Chair :	
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TIME	TITLE	PRESENTER(S)/AUTHOR(S)
14:00 – 14:20	Investigated the relationships between sediment and Landscape-level	hamid hamid kheyroodin
14:20 – 14:40	B3LYP/DFT Calculations of Donor-Nanobridge-Acceptor Molecular System	Hamid Ibrahim Abbood
14:40 – 15:00	Effect of Annealing Temperature on the Structural and Optical Properties of CuO -Doped ZrO <sub>2</sub> Films Prepared by PLD Technique	Nahida B. Hassan
15:00 – 15:20	Optical Properties of Inorganic Aerosols: Ab initio Study of NH <sub>4</sub> NO <sub>3</sub> and NaNO <sub>3</sub>	Soumia Kouadri Moustefai
15:20 – 15:40	synthesis of meso porous carbon monolithic via ambient drying	Parnian kiani, Farhad Golestani Fard
15:40 – 16:00	Optimization of the amount of unreacted silicon content in RBBC composites by using Taguchi design method	Ahmad Bayat, Omid Mirzaee, Hamid Reza Baharvandi, Shahrooz Rahimi

16:00 – 16:20	Coffee Break
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SESSION – VI  
16:20 – 18:00

Hall 1,

TIME	TITLE	PRESENTER(S)/AUTHOR(S)
16:20 – 16:40	Toughening effect of multiwall carbon nanotubes in TiO <sub>2</sub> coatings prepared by electrophoretic co-deposition	Maryam Sadat Mahmoudi Jozee, Omid Mirzaee, Sohrab Sanjabi
16:40 – 17:00	3D simulation of the material behaviour of vehicle bodies during deep drawing and optimization of the mechanical properties	Ouzine Boussaid
17:00 – 17:20	Structural, Electronic and Optical Properties of Sodium Nitrate NaNO <sub>3</sub> : An ab initio Study	Saida Bourahla
17:20 – 17:40	Optical Properties of Inorganic Aerosols: Ab initio Study of NH <sub>4</sub> NO <sub>3</sub> and NaNO <sub>3</sub>	Soumia Kouadri Moustefai, Saida Bourahla
17:40 – 18:00	Synthesis, Crystal and Electronic Structures of CdAl <sub>4</sub> O <sub>7</sub>	Su Minhua

13 / 11 / 2014, Thursday

VIRTUAL PRESENTATIONS

TIME	TITLE	PRESENTER(S)/AUTHOR(S)
11:00 – 11:20		
11:20 – 11:40		
11:40 – 12:00		
12:00 – 12:20		
12:20 – 12:40		
12:40 – 13:00		
14:00 – 14:20		



