



Association of Egyptian American Scholars

39th Annual International Conference

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***“The Role of Modern Sciences & Engineering Technologies
in Economic Development of the New EGYPT”***

December 25th – 27th, 2012

National Research Center

Dokki, Giza – Egypt

Conference Chair:	Dr. Mohamed Attalla, AEAS President
Chair Conference Program:	Dr. Tawfik Ayoub, AEAS Vice President,
Chair Financial Affairs:	Dr. Mohamed Hegab, AEAS Treasurer
Scientific Co-chairs:	Dr. Aly Mansour, AEAS Vice President
	Dr. Adel M. Talaat, AEAS Secretary General
Egypt Coordinators:	Dr. Wafaa Kandeel

The AEAS 39th Annual International Conference - 2012

"The Role of Modern Sciences and Emerging Technologies in Economic Development of the New Egypt"

National Research Center, Dokki Egypt

Tuesday, December 25, 2012

		From	To
Registration		4:30 PM	5:00 PM
Master Ceremony			
Opening & AEAS President address	Dr. Mohamed Attalla	5:00 PM	5:15 PM
AEAS Immediate Past President address	Dr. Amer El-Ahraf	5:15 PM	5:25 PM
President National Research Center	Dr. Ashraf Shaalan	5:25 PM	5:35 PM
Former Prime Minister	Dr. Esam Sharaf	5:35 PM	5:45 PM
Minister of Scientific Research	Dr. Nadia Zakhary	5:45 PM	5:55 PM
President Academy for Science and Technology	Dr. Maged El Sherbenee	5:55 PM	6:15 PM
Presentations:		6:15 PM	6:55 PM
Bio Control Research, NRC	Dr. Mohamed Megahed	6:15 PM	6:35 PM
Nano Technology & Advanced Materials, NRC	Dr. Ali Hebeish	6:35 PM	6:55 PM
AEAS Reception		6:55 PM	8:00 PM

December 25th, 2012

Panel Presentations

				Panel Presentations	Presenter	
				Title	Name	
1	December 26, 2012	9:00 AM	10:00 AM	Safety & sustainable water supply to small communities	Dr. Mohamed Gamal Eldi	
				Wastes Water Research, NCR	Dr. Hayam Shalaan	
					Dr. Nasr El-Sheimy (moder	
2			11:40 AM	12:40 PM	Latest Research in Nano Technology & its application for cancer treatment, NRC	Dr. Mosatafa El Sayed
3			2:20 PM	3:20 PM	Diabetes Research, NRC	Dr. Soha Abdel-Daiem
		Approach to Diabetes management in the 21st century			Dr. Fouad Kandeel	
		Dr. Tawfik Ayoub (modera				
4		3:20 PM	4:20 PM	Production of Biodiesel Fuel from industrial wastes of the Oil & Soap, NRC	Dr. Ferial Zaher	
	Biodiesel Research, NRC			Dr. Guizin El Dewani		
				Dr. Ahmed El-Sawy (mod		
1	December 27, 2012	9:00 AM	10:00 AM	Stem Cells In Craniofacial Biology, NRC	Dr. Ali Abdel Aleem	
				Obesity Research, NRC	Dr. Nagwa Abdella	
				Current directions of biomedical research in the USA	Dr. Fouad Kandeel (mode	
2			11:40 AM	12:40 PM	Research for sustainable economic development	Dr. Mohamed Sharkawy
		Renewable Solar Energy, NRC			Dr. Nagwa Khatab	
					Dr. Hassan Nour (modera	

NCR = National Research Center

December 26th, 2012

Day 1 - Room 1

Health & Medicine

	From	To	Name	Paper Title	Co-Chairs
	8:00 AM	9:00 AM	Registration		
	9:00 AM	10:00 AM	Opening & Panel Discussion		
1	10:00 AM	10:20 AM	Tawfik Ayoub	Medical Reform in Egypt - Post January 25th Revolution	Tawfik Ayoub
2	10:20 AM	10:40 AM	Hisham Imam	Strategic Management and Higher Education Development	Heba Ahmed Abdalla
3	12:40 AM	11:00 AM	Mostafa Abdel Nasser	Mini-review of "professional skills" training program	A. Abdel-Rahman
4	11:00 AM	11:20 AM	Fouad Kandeel	Epigenetics And Metabolic Memory	
5	11:20 AM	11:40 AM	Fouad Kandeel		
	11:40 AM	12:40 PM	Coffee & Panel Discussion		
6	12:40 PM	1:00 PM	Fouad Kandeel	New Paradigms In Treatment Of Type 1 Diabetes: Cellular Replacement Or Immune Modulation	Tawfik Ayoub
7	1:00 PM	1:20 PM	Fouad Kandeel		Abdallah Merwad
8	1:20 PM	1:40 PM	Shoukry El-Kantery & Amer El-Ahraf	The Influence of Egyptian Medicine on Greek Medicine and Further Actions of Reciprocity	Gamela Nasr
9	1:40 PM	2:00 PM	Mostafa Abdel Nasser	Small Group Learning: A model for Implementing Curriculum of Hospital Acquired Infection	
10	2:00 PM	2:20 PM	Hisham Imam	Problem Based learning For Teaching main health problems in Medicine	
	2:20 PM	3:20 PM	Panel Discussion		
	3:20 PM	4:20 PM	Lunch & Panel Discussion		
	7:00 PM	10:30 PM	Dinner & Awards		

December 26th, 2012

Day 1 - Room 2

Engineering

	From	To	Name	Paper Title	Co-Chairs
	8:00 AM	9:00 AM	Registration		
	9:00 AM	10:00 AM	Opening & Panel Discussion		
1	10:00 AM	10:20 AM	Said Easa & Khaded Senha	Improving quality of undergraduate education: outcome-based assessment	Ghada El Khayat
2	10:20 AM	10:40 AM	Waguih ElMaraghy & Hoda ElMaraghy (El Gammal)	A New and Flexible Education Paradigm for a Sustainable Economy	Nagia Ali
3	12:40 AM	11:00 AM	Hossin Abdeldayem	Optical Computing	Lamyaa Gamal Eldeen Taha
4	11:00 AM	11:20 AM	Hassan Mohamed-Nour	On the role of engineering student projects in enhancing the safety of ground transportation in local communities	
5	11:20 AM	11:40 AM	Wael Elghandour	Information Technology Applications in Construction and Egypt Economic Development – Future Vision	
	11:40 AM	12:40 PM	Coffee & Panel Discussion		
6	12:40 PM	1:00 PM	Nahla El-Haggar	A Review of Watermarking Technologies For Geo-spatial Data Protection	Hoda ElMaraghy
7	1:00 PM	1:20 PM	Ghada El Khayat	Analytical Tools for RFID Based Applications	Salwa Elbeih
8	1:20 PM	1:40 PM	Hossin Abdeldayem	A Novel Microspherical-Fiber Laser System	S.A. Sherif
9	1:40 PM	2:00 PM	Elsayed Orady	Future trends in Educating Engineers to face the Challenges of the New Century	
10	2:00 PM	2:20 PM	Naser El-Sheimy	The Potential of Smart Phones for Navigation and Mobile Mapping	
	2:20 PM	3:20 PM	Panel Discussion		
	3:20 PM	4:20 PM	Lunch & Panel Discussion		
	7:00 PM	10:30 PM	Dinner & Awards		

The AEAS 39th Annual International Conference - 2012

Egyptian Diplomatic Club, Cairo - Egypt

Wednesday, December 26, 2012

	From	To
Reception	6:00 PM	6:30 PM
Award Ceremony & Dinner:	6:30 PM	9:30 PM
Scholar of the year Award: "Dr. Essam Sharaf" former prime Minister of Egypt		
Recognition Award: " Dr. Mohamed El Wakil" Founder of the AEAS		
Dr. Mohamed El Wakil Scholarship Award		

December 26th, 2012

Day 1 - Room 3

Science

	From	To	Name	Paper Title	Co-Chairs
	8:00 AM	9:00 AM	Registration		
	9:00 AM	10:00 AM	Opening & Panel Discussion		
1	10:00 AM	10:20 AM	Mona Abozeid	Photodynamic Therapy with Indocyanine Green Induces DNA Damage by Comet Assay In Vitro	Yousry A. El-Kassaby
2	10:20 AM	10:40 AM	Mahmoud ElHefnawi	In silico design and in vitro validation of siRNAs targeting multiple hepatitis c virus genotypes	Hanaa Hamdy Ahmed
3	12:40 AM	11:00 AM	Riad Sedki Riad El-Mohamedy	Utilization of bio composed agricultural wastes in management of root rot disease on citrus	
4	11:00 AM	11:20 AM	Heba M. Abd. El-Nabi	First record of Gummy stem blight of cucumber under greenhouse conditions in Ismailia Government, Egypt	
5	11:20 AM	11:40 AM	Yousry A. El-Kassaby	Plant Breeding in the Genomics Era: What is Possible?	
	11:40 AM	12:40 PM	Coffee & Panel Discussion		
6	12:40 PM	1:00 PM			
7	1:00 PM	1:20 PM			
8	1:20 PM	1:40 PM			
9	1:40 PM	2:00 PM			
10	2:00 PM	2:20 PM			
	2:20 PM	3:20 PM	Panel Discussion		
	3:20 PM	4:20 PM	Lunch & Panel Discussion		
	7:00 PM	10:30 PM	Dinner & Awards		

December 27th, 2012

Day 2 - Room 1

Health & Medicine

	From	To	Name	Paper Title	Co-Chairs
	8:00 AM	9:00 AM	Registration		
	9:00 AM	10:00 AM	Panel Discussion		
11	10:00 AM	10:20 AM	Mohamad Nagib Abukela	IEIP Egypt as an example of successful scientific collaboration between USA CDC and Ministry of Health and population in Cairo	Ahmed Youssef
12	10:20 AM	10:40 AM	Gamela Nasr	Right ventricular function in diabetics versus prediabetics	Neveen Salem
13	12:40 AM	11:00 AM	A. Abdel-Rahman	Estrogen: Friend or Foe of the Heart?	Hisham Imam
14	11:00 AM	11:20 AM	Aly Mansour and Rasha Abdelhadi	Impact of Environmental Protection on Healthcare services and Production in Misr and Arab World	
15	11:20 AM	11:40 AM	Fatma Bassyouni	Synthesis, biological evaluation and molecular docking of a new series of chromone derivatives with their transition metal complexes as anti-inflammatory and analgesic agents utilizing HPLC	
	11:40 AM	12:40 PM	Coffee & Panel Discussion		
16	12:40 PM	1:00 PM	Ahmed Yousef	Natural antimicrobial peptides: a potential weapon against antibiotic-resistant pathogenic bacteria	Fatma Bassyouni
17	1:00 PM	1:20 PM	Hanaa Abdel Sadek Oraby	In Vivo Investigation of the Possible Horizontal Gene Transfer from Transgenic Diet into Some Tissues, Organs and Gut-Microflora in Rats	Mona Hussein
18	1:20 PM	1:40 PM	Amany Sayed Maghraby	Pharmacogenomics	Mostafa Abdel Nasser
19	1:40 PM	2:00 PM	Khadiga Abou Ggabal	Association of IL-10-592 polymorphism with chronic hepatitis B virus infection in rural Beni-Suef, Egypt	
20	2:00 PM	2:20 PM	Gamela Nasr	GNASR score: a simple scoring to detect severity in rheumatic mitral stenosis	
21	2:20 PM	2:40 PM	Badr Eweis & Amer El-Ahraf & Mostafa Abo Gabal	The New Veterinary Medicine and its Role in National Development	
	2:40 PM	3:40 PM	Resolutions & Adjourn		
	3:40 PM	4:40 PM	Lunch		

December 27th, 2012

Day 2 - Room 2

Engineering

	From	To	Name	Paper Title	Co-Chairs
	8:00 AM	9:00 AM	Registration		
	9:00 AM	10:00 AM	Panel Discussion		
11	10:00 AM	10:20 AM	Tarek ElMekkawy	Developing an Efficient Scheduling Template For Chemotherapy Treatment Unit Considering Dual Resources	Ahmed Elsayw
12	10:20 AM	10:40 AM	Ashraf Salah Eldin	Predicting the Future With Social Media Networks	Hany H Ammar
13	12:40 AM	11:00 AM	Mokhtar El-Homossani	The Contributions of Advanced Textile Materials to Green-Architecture	Hossin Abdeldayem
14	11:00 AM	11:20 AM	Lamyaa Gamal Eldeen Taha	Optimizing the workflow of large scale planimetric map revision and updating using manual digitizing of true digital Orthophoto & supervised maximum likelihood classification of multi channels (Texture and pan	
15	11:20 AM	11:40 AM	Samir Arafeh & Tarik Fathy	On The Means to Mitigate Traffic Congestion in Egypt	
	11:40 AM	12:40 PM	Coffee & Panel Discussion		
16	12:40 PM	1:00 PM	T. I. Zohdi and K. Mosalam	Computational Design of Flexible, Electromechanically-Actuated, Micro-shutter Materials for Efficient Incident Solar/Radiative Energy Control	Tarik Fathy
17	1:00 PM	1:20 PM	Lamyaa Gamal Eldeen Taha	Towards digital photogrammetry center of scientific excellence	Mokhtar El-Homossani
18	1:20 PM	1:40 PM	Ahmed Elsayw	Production of Biodiesel from WVO Using Programmable Logic Controller and Small Scale Continuous Ultrasonic Processor	Waguhi ElMaraghy
19	1:40 PM	2:00 PM	S.A. Sherif	Frost and Ice Formation under Extreme Humidity and Low Temperatures	
20	2:00 PM	2:20 PM	Adel S. Elmaghraby	Big Data: Opportunities and Challenges	
21	2:20 PM	2:40 PM	Esraa Abdelhalim, Ghada El Khayat	RFID in Universities: Review and Proposed Application	
	2:40 PM	3:40 PM	Resolutions & Adjourn		
	3:40 PM	4:40 PM	Lunch		

December 27th, 2012

Day 2 - Room 3

Humanities

	From	To	Name	Paper Title	Co-Chairs
	8:00 AM	9:00 AM	Registration		
	9:00 AM	10:00 AM	Panel Discussion		
11	10:00 AM	10:20 AM	Mohmed El Shayeib & Akmal Sakr	Environmental manipulation of the house in Ancient Egypt	Mohamed El Shayeib
12	10:20 AM	10:40 AM	Abou Bakr Selim Abdo	أهمية دول آسيا الوسطى فى العلاقات الدولية المعاصرة	Mahmoud Omar
13	12:40 AM	11:00 AM	Mohamed F. El-Shaieb	Land Use In Ancient Egypt	
14	11:00 AM	11:20 AM	Mahmoud Omar Mohamed Selim	The concept of Museums in Ancient Egypt	
15	11:20 AM	11:40 AM	Fatma EL Zhraa Salem Mahmoud	The role of education in solidarity with occupied Palestine territory (opt) an ethnographic study	
	11:40 AM	12:40 PM	Coffee & Panel Discussion		
16	12:40 PM	1:00 PM			
17	1:00 PM	1:20 PM			
18	1:20 PM	1:40 PM			
19	1:40 PM	2:00 PM			
20	2:00 PM	2:20 PM			
21	2:20 PM	2:40 PM			
	2:40 PM	3:40 PM	Resolutions & Adjourn		
	3:40 PM	4:40 PM	Lunch		

Wednesday December 26th, 2012 – Conference Day 1

		Room 1		Room 2		Room 3		
		Health & Medicine		Engineering		Science		
	From	To	Name	Co-chairs	Last Name	Co-chairs	Last Name	Co-chairs
	8:00 AM	9:00 AM	Registration					
	9:00 AM	10:00 AM	Opening & Panel Discussion					
1	10:00 AM	10:20 AM	Tawfik Ayoub	Tawfik Ayoub	Said Easa	Ghada El Khayat	Mona Abozeid	Yousry A. El-Kassa
2	10:20 AM	10:40 AM	Hisham Imam	Heba Ahmed Abda	Waguih ElMaraghy & Hoda ElMaraghy (El Gammal)	Nagia Ali	Mahmoud ElHefna	Hanaa Hamdy Ahr
3	12:40 AM	11:00 AM	Mostafa Abdel Nas	A. Abdel-Rahman	Hossin Abdeldayer	Lamyaa Gamal Eldeen Taha	Riad Sedki Riad El-Mohamedy	
4	11:00 AM	11:20 AM	Fouad Kandeel		Hassan Mohamed-		Heba M. Abd. El-N	
5	11:20 AM	11:40 AM	Fouad Kandeel		Wael Elghandour		Yousry A. El-Kassa	
	11:40 AM	12:40 PM	Coffee & Panel Discussion					
6	12:40 PM	1:00 PM	Fouad Kandeel	Tawfik Ayoub	Nahla El-Haggar	Hoda ElMaraghy		
7	1:00 PM	1:20 PM	Fouad Kandeel	Abdallah Merwad	Ghada El Khayat	Salwa Elbeih		
8	1:20 PM	1:40 PM	Shoukry El-Kantery & Amer El-Ahraf	Gamela Nasr	Hossin Abdeldayer	S.A. Sherif		
9	1:40 PM	2:00 PM	Mostafa Abdel Nas		Elsayed Orady			
10	2:00 PM	2:20 PM	Hisham Imam		Naser El-Sheimy			
	2:20 PM	3:20 PM	Panel Discussion					
	3:20 PM	4:20 PM	Lunch & Panel Discussion					
	7:00 PM	10:30 PM	Dinner & Awards					

Thursday December 27th, 2012 – Conference Day 2

		Room 1		Room 2		Room 3		
		Health & Medicine		Engineering		Humanities		
	From	To	Name	Co-chairs	Name	Co-chairs	Name	Co-chairs
	8:00 AM	9:00 AM	Registration					
	9:00 AM	10:00 AM	Panel Discussion					
11	10:00 AM	10:20 AM	Mohamad Nagib Abukela	Ahmed Youssef	Tarek ElMekkawy	Ahmed Elsayy	Mohmed El Shayeib & Akmal Sakr	Mohamed El Shayeib
12	10:20 AM	10:40 AM	Gamela Nasr	Neveen Salem	Ashraf Salah Eldin	Hany H Ammar	Abou Bakr Selim Abdo	Mahmoud Omar
13	12:40 AM	11:00 AM	A. Abdel-Rahman	Hisham Imam	Mokhtar El-Homossani	Hossin Abdeldayem	Mohamed F. El-Shaieb	
14	11:00 AM	11:20 AM	Aly Mansour and Rasha Abdelhadi		Lamyaa Gamal Eldeen Taha		Mahmoud Omar Mohamed Selim	
15	11:20 AM	11:40 AM	Fatma Bassyouni		Samir Arafeh & Tarik Fathy		Fatma EL Zhraa Salem Mahmoud	
	11:40 AM	12:40 PM	Coffee & Panel Discussion					
16	12:40 PM	1:00 PM	Ahmed Yousef	Fatma Bassyouni	T. I. Zohdi and K. Mosalam	Tarik Fathy		
17	1:00 PM	1:20 PM	Hanaa Abdel Sadek Oraby	Mona Hussein	Lamyaa Gamal Eldeen Taha	Mokhtar El-Homossani		
18	1:20 PM	1:40 PM	Amany Sayed Maghraby	Mostafa Abdel Nasser	Ahmed Elsayy	Waguhi ElMaraghy		
19	1:40 PM	2:00 PM	Khadiga Abou Ggabal		S.A. Sherif			
20	2:00 PM	2:20 PM	Gamela Nasr		Adel S. Elmaghraby			
21	2:20 PM	2:40 PM	Badr Eweis & Amer El-Ahraf & Mostafa Abo Gabal		Esraa Abdelhalim, Ghada El Khayat			
	2:40 PM	3:40 PM	Resolutions & Adjourn					
	3:40 PM	4:40 PM	Lunch					