

“Building a Sustainable Energy Future”



WINTER SCHOOL AGENDA

Saturday, December 11, 2021

Location: BUE

09:30 – 10:00	Registration	Library – Entrance Desk
10:00 – 10:15	Opening Speech Dr. Rania Miniesy, Associate Prof. of Economics, and the Acting Head of the Economics Department	Library – Cultural Events Room
	Session 1: BUE research in the field of renewable energy	For Online attendance: Join Zoom Meeting https://zoom.us/j/99487903809?pwd=THp0aE00d1gzdDRlMU42LzFXTlJaUT09 Meeting ID: 994 8790 3809 Passcode: 769531
10:15 – 10:50	Wind Energy Research and Facilities at the BUE Dr. Ahmed Elbaz, Professor of Mechanical Engineering, and Associate Director of the Wind Energy Sector in the Centre of Renewable Energy	
10:50 – 11:25	Techno-Economic Feasibilities and Cost Analysis in Solar Energy Harvesting Technologies Dr. Sameh Osama, Assistant Professor of Nano-semiconductors and Photonics, and Programme Director of the Electrical Engineering Department	
11:25 – 12:00	Wind Turbine Blades at BUE: 10+ years of Experience in Design and Fabrication Dr. Mostafa Shazly, Professor of Solid Mechanics, and Director of the Centre of Advanced Materials	
12:00 – 13:00	Light Lunch	Library – Social area
13:00 – 14:00	EBEL Visit and Experiment	EBEL – BUE
14:00 – 16:00	Session 2: Egypt’s Sustainable Energy Strategy and Mega Projects in Renewable Energy Dr. Mohamed Elkhayatt, Executive Chairman, New and Renewable Energy Authority (NREA) and Chairperson of Renewable Energy and Energy Efficiency Committee, League of Arab State, LAS	Library – Cultural Events Room

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Sunday, December 12, 2021

Locations: ARECO & BUE

10:00 – 13:00	Visit to Arab Renewable Energy Company (ARECO)	ARECO
13:00 – 14:00	Lunch Break	Free
14:00 – 15:00	Session 3: Opportunities and Challenges of Hydrogen as a Global Energy Commodity Mr. David Schlund, Senior Research Associate at EWI and a doctoral candidate at the University of Cologne	Library – Cultural Events Room
15:00 – 16:00	Energy auditing and efficiency in Egypt Dr. Hasnaa Hatem, Energy efficiency Expert, Energy Management System (CEnMS), Compressed Air System Optimization (CCASO), Thermal Energy and Solar Water Heaters Design Instructor/ consultant	For Online attendance: Join Zoom Meeting https://zoom.us/j/99487903809?pwd=THp0aE00d1gzdDRlMU42LzFXtTlJaUT09 Meeting ID: 994 8790 3809 Passcode: 769531

Monday, December 13, 2021

Location: Kuraymat

10:00 – 16:00	Field visit to Kuraymat Solar Power Plant	Kuraymat
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Tuesday, December 14, 2021

Location: ELSalhaya

10:00 – 16:00	Field visit to ELSalhaya Farm	ELSalhaya Farm
10:00 – 10:10	Signing in	
10:10 – 10:20	Opening Speech	
10:20 – 10:50	Introduction to Triple M Farm (REEF)- “Eng. Wessam El Hefnawy”	
10:50 – 11:15	Introduction to Renewable Energy “Dr Medhat Mihareb”	
11:15 – 13:15	Farm tour	
13:15 – 13:50	Lunch	
13:50 – 14:00	Group Picture	
14:00	Departure	

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Wednesday, December 15, 2021

Location: BUE

10:00 – 12:00	Session 4: Clean Energy Entrepreneurship in Egypt Dr Samir Sobhy, Professor Emeritus at Shoubra Faculty of Engineering, Benha University	Library – Cultural Events Room
12:00 – 13:00	Lunch Break	Free
13:00 – 14:00	Session 5: Energy Pricing for Efficient Energy Markets Mr. David Schlund, Senior Research Associate at EWI and a doctoral candidate at the University of Cologne	Library – Cultural Events Room
14:30 – 15:30	Sustainable Mobility Dr. Ahmed Dorghamy, Basic Services and Climate Change Officer at UN-Habitat Egypt, and former Energy and Environment Expert in the Center for Environment & Development in the Arab Region & Europe (CEDARE)	For Online attendance: Join Zoom Meeting https://zoom.us/j/99487903809?pwd=THp0aE00d1gzdDRI MU42LzFXtIJaUT09 Meeting ID: 994 8790 3809 Passcode: 769531
15:30 – 16:00	Group Pictures in the library	

Thursday, December 16, 2021

Location: Aswan

6:00 – 7:25	Leave Cairo and Arrive at Aswan	Benban Solar Park
8:00 –	Field visit to Benban Solar Park then cultural visits/free day	

Friday, December 17, 2021

Location: Aswan

9:00 –	Field visit to High Dam then cultural visits/Free day	High Dam
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“Building a Sustainable Energy Future”



Saturday, December 18, 2021

Location: Cairo

6:00 – 7:25

Leave Aswan and Arrive at Cairo

Speakers

Saturday, December 11, 2021

Dr. Rania Miniesy is an Associate Professor of Economics and the Acting Head of the Economics Department at the British University in Egypt (BUE). She is a cofounder of the Experimental and Behavioural Economics Laboratory (EBEL) at the BUE. Rania is the editor of an Emerald, Scopus indexed Journal, the Journal of Chinese Economic and Foreign Trade Studies. She received her BA and MA in Economics from the American University in Cairo (AUC) and was awarded her PhD in Political Economy and Public Policy from University of Southern California (USC), specialising in the Political Economy of Development. Rania's research interests are in the areas of growth and development, especially as related to MSMEs, gender, and behavioural issues.



Dr. Ahmed Elbaz is a Professor of Mechanical Engineering and Associate Director of the Wind Energy Sector in the Centre of Renewable Energy. He graduated in 1984 from the Energy and Automotive department at Ain Shams University, and where also he finished his MSC in Mechanical engineering in 1987. He then joined the University of Manchester Institute of Science and Technology (UMIST) as a PhD student. He worked with one of the key scientists in turbulent flow modelling, Brian Launder from 1987 to 1992. Having obtained his PhD, he joined Ain Shams University in 1992 as a Lecturer. He stayed at Ain Shams University till 2013 when he joined the British University in Egypt as an Associate Professor. He was promoted to be full Professor in 2015. He has more than 30 articles in national and international journals and conferences and supervised more than 20 MSC and PhD students. Recently, his interest is focused on research work in the wind energy conversion systems.



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Dr. Sameh Osama is a lecturer in the Electrical Engineering department in the British University in Egypt (BUE), as well as a researcher in the Centre of Emerging Learning Technology (CELT) within the same university. He received his B.Sc. degree in Electronics and Communication from Ain Shams University, Cairo, Egypt, in 2009 and the MSc. degree in Semiconductor nano-structures from Ain Shams University, Cairo, Egypt, in 2012. His PhD in the University of Duisburg-Essen is dealing with Mesoporous based solar cells. He is a guest researcher in Max-Planck-Institut für Kohlenforschung, Mülheim, Germany.



Dr. Mostafa Shazly is a Professor of Solid Mechanics at the Mechanical Engineering Department, and the Director of the Centre of Advanced Materials, The British University in Egypt. He received his B.Sc. and M.Sc. in Mechanical Design and Production Engineering from Cairo University in 1996 and 1999, respectively. He received his Ph.D. in Mechanical Engineering in 2005 from Case Western Reserve University, OH, USA. He joined BUE in 2007. Prior to this he was a Senior Research Engineering at Goodyear Tire and Rubber Company, Akron OH, and Assistant Professor, Cairo University. His research interests are in the field of composite materials, dynamic deformation of materials and structure, mechanics of solids, and finite element simulations.



Dr. Mohamed Mostafa ElKhayatt is the Executive Chairman of the New and Renewable Energy Authority, NREA and Chairperson of Renewable Energy and Energy Efficiency Committee, League of Arab State, LAS. Has over 25 years of experience in the fields of energy and environment. During which he had participated in drafting Pan Arab Renewable Energy Strategy issued by League of Arab States and drafting renewable energy laws and regulations in Egypt. Received many awards from different countries and worked with different regional and international entities. He has Issued 9 books; 5 hard copy and 4 e-books.



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SUNDAY, DECEMBER 12, 2021

Mr. David Schlund is a Senior Research Associate at EWI and a doctoral candidate at the University of Cologne. His research focus is on energy system modelling in general with a specialty on the development of hydrogen as an energy carrier. Before joining EWI, David Schlund studied industrial engineering at the Karlsruhe Institute of Technology (KIT) with a focus on energy economics, service management and digitalization.



Dr. Hasnaa Hatem is an Energy Efficiency Expert, Energy Management System (CEnMS), Compressed Air System Optimization (CCASO), Thermal Energy and Solar Water Heaters Design Instructor/ consultant Certified by United Nations Industrial Development Organization “UNIDO”. She is also ISO Academy Certified Energy Management System (EnMS) Trainer and IRCA Certified Lead auditor ISO 50001:2018/ ISO9001:2015 /ISO14001:2015. She holds a Bachelor of Science degree, Master degree and PhD in Biochemistry from Ain Shams University. She has participated in many energy efficiency projects, including UNIDO IEE project (2 companies). She has over than twenty years of various experience, six years as professor assistant of biochemistry, 5 years in projects management - Egyptian Organization of Standardization and Quality “EOS” manager for many projects, recently was the Twinning and TDMEP projects between EOS and European Union “EU”.



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WEDNESDAY, DECEMBER 15, 2021

Dr. Samir Sobhy is Professor of Emeritus at Shoubra Faculty of Engineering, Benha University. Consultant for Solar Energy Research Institute, DOE Golden, Colorado Innovative Wind Energy Systems Golden. Dr. Samir is the founder of the Egyptian Solar Energy System company since 1989. The company started first by manufacturing solar water heating systems and then by working in the field of solar PV.



Dr. Ahmed Dorghamy is Basic Services and Climate Change Officer at UN-Habitat Egypt, and former Energy and Environment Expert in the Center for Environment & Development in the Arab Region & Europe (CEDARE). He has over 15 years of international professional experience in development. He obtained his PhD from Humboldt University in Berlin in the topic of sustainability and sustainable mobility in disadvantaged communities and previously completed MSc in Energy Technology, and a later MSc in Environmental Engineering and Sustainable Infrastructure, both from the Royal Institute of Technology (KTH) in Stockholm, Sweden. He was a member of the Japan International Cooperation Agency (JICA) Expert Team 3-year project for the capacity building of the Egyptian Environmental Affairs Agency (EEAA), and he was later part of the JICA expert team for the Greater Cairo Metro Line No.4 Study in the Environmental Impact Assessment team.

