



جامعة  
المملكة  
KINGDOM  
UNIVERSITY

Under the Patronage of His Excellency

**Dr Abdul Hussein bin Ali Mirza**

President of Sustainable Energy Authority



**Fifth Kingdom University – WREN Seminar**

**Climate Change and  
Renewable Energy,**

**Cooling Strategy,**

**Waste to Energy,**

**Sustainable Green Buildings**

**and Clean Environment**

**7-9 February 2022**

Crowne Plaza Hotel

Manama, Kingdom of Bahrain

**Supported by**



Sustainable Energy Authority | هيئة الطاقة المستدامة  
Kingdom of Bahrain | مملكة البحرين

# 7

## Monday

09:00 – 09:30	Opening Ceremony
09:30 - 10:00	Coffee Break
10:00 - 11:00	<b>Renewable Energy &amp; Climate Change</b> Prof Ali Sayigh – Chairman of WREC, D G WREN Brighton, UK
11:00 - 11:30	<b>Waste to Energy in the City of Ajman - UAE</b> Prof Riadh Al-Dabbagh – Ajman Univ., Ajman, UAE
11:30 - 12:00	<b>Photovoltaic Applications in the EU</b> Dr Marta Szabo, Szent Istvan Universiyu, Godollo, Hungary
12:00 - 12:30	<b>Examples of European Green Buildings</b> Prof Antonella Trombadore, Florence University, Italy
12:30 - 13:00	Prayers Break
13:00 - 14:00	<b>the importance of Solar Cooling in the Gulf</b> Prof Robert Critoph, WREN President, Warwick University, UK
14:00 - 15:00	Lunch Break

# 8

## Tuesday

09:00 – 09:30	<b>Waste to Energy - Opportunity and Challenges</b> Dr Sumaya Yousif, Arabian Gulf University, Bahrain
09:30 - 10:00	<b>Medical and Health Implication of Municipal Waste</b> Dr Jazla Fedda, Visionary Mindset, Dubai, UAE
10:00 - 10:30	<b>The Economic Impact of Climate Change on the Arab Gulf Cooperation Council</b> Prof. Saad Darwish, Kingdom University, Bahrain
10:30 - 11:15	<b>Buildings adoption to Cold Climate</b> Prof Dr Dorota Chwieduk, Institute of Heat Engineering, Warsaw - University of Technology, Poland
11:15 - 11:45	<b>the importance of Vernacular Architecture</b> Prof Antonella Trombadore, Florence University, Italy
11:45 - 12:15	<b>Lessons learned from the urban climate assessment of the planned city</b> Dr Adeeb Al-Amery, Kingdom University, Bahrain
12:30 - 13:00	Prayers Break
13:00 – 14:00	<b>Wind Energy can be a major electricity generator in the Gulf</b> Dr Salam Darwish, Bolton University, Manchester, UK
14:00 - 15:00	Lunch Break

# 9 Wednesday

08:30 – 09:00 Assembly at Conference  
Centre, Crowne Plaza Hotel

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09:00 - 11:30 Visit to Renewable Energy  
Projects in Bahrain

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12:00 - 01:00 Certificate hand out and  
Coffee Break – Prayers Break

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01:00 - 02:30 Lunch Break

# Prof Ali Sayigh



BSc, AWP, DIC, PhD, FIE, FIEE, CEng, M BWEC, FRSA

He started working in solar energy in September 1969. In 1972, he established "The Journal of Engineering Sciences" in Riyadh, Saudi Arabia and in 1984 he established International Journal for Solar and Wind Technology, as an Editor-in-Chief. This has changed its name in 1990 to Journal of Renewable Energy. In March 2014, he left WREN Journal as editor-in-chief but remain as founding editor. He is editor of several international journal published in Morocco, Iran, Bangladesh, Nigeria, Malaysia and India. He established WREN and the World Renewable Energy Congress in 1990. Member of various societies related to climate change and renewable energy. He established with others by-annual Forum in 2011 "Mediterranean Green Buildings and Renewable Energy Forum".

He is consultant to many national and international organizations, among them, the British Council, ISESCO, UNESCO, UNDP, ESCWA, & UNIDO. He run conferences in 50 different countries, published more than 600 papers and associated in 50 books. He supervised more than 80 M Sc. and 35 Ph. D students. He established Renewable Energy Magazine, since 2000. He established as Editor-in-chief, well-refereed Journal of Renewable Energy and Environmental Sustainability, in 2016 as open access with EDP science

He is the Editor-in-chief of Comprehensive Renewable Energy coordinating 154 top Scientists, Engineers and Researchers' contribution in eight volumes published in 2012 by Elsevier which won 2013 PROSE award in USA. He is chairman of World Renewable Energy Congress and Director General of WREN. Winner of the Clean Energy Award for United Kingdom for 2018. He is a fellow of Royal Society of Arts.

# Dr Jazla Fadda



Ms. Jazla Fadda is an instructor and Coordinator of Hospital, & Healthcare Management and Insurance & Risk, Management Specializations at the College of Business, Administration at the American University in the Emirates, Ms. Fadda is a prominent public health specialist with many, credentials at national, regional and international levels. In addition to her education in Dentistry, she got her master in, Public Health, MPH, from University of Liverpool, UK.

She, has vast experience working with the Ministry of Health in various key national positions. In addition, she was engaged, as a national coordinator and researcher of various public health issues such as Burden of Disease and Cost Effectiveness Analysis, addressed by WHO and Harvard School of Public Health. Ms. Jazla has also wide previous experience in teaching as a faculty member for graduate students in Public Health, Health System Management, Hospital Management and Health Economics at the Center for Strategic Health Studies affiliated with UK Liverpool School of Tropical Medicines.

Ms. Fadda has worked as an international consultant with WHO for developing a 'Global Program for Urban Health Equity'. She also worked with the Global Health Workforce Alliance for mapping 57 priority countries facing critical shortages of human resources for health. Having an innovative approach, along with presenting and communication skills, Ms. Fadda is proactively engaged in media presenting a variety of healthcare topics on different TV channels, like MBC, Sky News Arabia, Dubai TV and Sharjah TV, having a passion of deploying health messages to the public, helping them choose the best healthy life style choices.

Ms. Fadda contributed in one of WHO' book, published by WHO, Kobe Center for Health Development- Japan. WHO, UN- HABETAT. Hidden Cities: Unmasking and Overcoming Health Inequities in Urban Settings. WHO Centre for Health Development Publication.

# Dr Antonella Trombadore



Contract Professor at the University of Florence, senior researcher, PhD, MSc, Architect from 1999 she works at the Department of Architecture and ABITA Interuniversity research center. PhD in Architectural Technology in the University of Florence, MSC in Energy Management, she works as senior expert in the field of Project Management, Integrated Projects, Sustainable Urban Design, Energy Conscious Design, Low energy buildings, Sustainable architecture and bioclimatic design, Communication and dissemination strategies.

Team leader of several European Research Projects in the field of architectural integration of innovative solutions for energy retrofitting action, nearly zero buildings as well as integrated smart process for Abitaremediterraneo, multi-issues platform as interactive Network for technical regulations management, technologies data base and best practice dissemination activity. Collaborator for the management of European Master Course "Sustainable design and technologies for built environment" and Post-graduate courses in Bioclimatic Architecture and Energy Saving in Buildings at the University of Florence.



# Prof Riadh H. Al-Dabbagh



Prof Al-Dabbagh obtained his first degree B Sc. in geology from Mosul University, Iraq in 1968, then his Diploma, MSc, PhD from University College, London in 1975. He has a very colourful career prior to his present post in the UAE.

President of 4 universities for 21 years, Faculty member for about 40 years in 7 universities. Published Approximately 79 scientific papers in the field of water resources and hydrology, Environment, Pollution, Water management, Water Engineering. 25 short papers in education and scientific contribution, Five textbooks in the field of hydrology, water management and engineering geology, Teaching graduate and undergraduate courses in water resource management, hydrology, environmental hydrology, basic ecology, environment water & energy and general geology, hydrochemistry, ground water resources, water quality, pollution, and environment. Attended 65 international conferences and 42 national and regional conferences, Received approximately 44 awards from regional, Arabic and international universities and organizations, Spent a total of 6 years as a visiting professor in 14 different universities in 10 different European, North and South American countries.

In 2003- up to the present, He is a professor at Ajman University and advisor to the President of the University, UAE.

## Dr Salam Darwish



He is Director of Phoenix Renewable Energy Centre and Head of Engineering Department at Manchester Trinity College (UK). He holds an MSc Membership in Aeronautical Engineering CIT (UK) and a PhD in Wind Turbines Aerodynamics from the Reading University, UK . He is also a visiting professor and lecturer at Loughborough University, Warrington Collegiate, and other UK academic institutions. He is international program consultant at University of Glyndwr and Wolverhampton University and had supervised and graduated more than 11 PhD students and 33 MSc students under his supervision at Universities in UK and Middle East. His main Interest is the design, operation and management of Renewable Energy technologies and is leading research to locate wind and solar technologies for sustainable buildings for developing countries. He had published many articles related to his specialist.

## Prof Robert Critoph



Bob Critoph is a professor in the Division of Civil and Mechanical Engineering of was in Aeronautical Engineering, from Southampton University but he went on to do a PhD in energy analysis also at Southampton. As a result of this work he was awarded the Institute of Energy Bone-Wheeler Medal. He then worked in the Open University Energy Research Group as a Research Fellow, responsible for the design, construction and testing of a gas engine driven heat pump. From 1979 he has been at Warwick lecturing in Thermodynamics, Heat Transfer and Solar Energy. His research is in adsorption refrigeration and heat pump systems, with uses ranging from solar refrigeration and air At present, his research team consists of two post-doctoral RA's and two PhD projects worth £1.2 million.

He is the Chairman of World Renewable Energy Network – WREN.



# Dr Marta Szabo



Dr. Marta Szabo graduated in Hungary as agricultural and mechanical engineer specialized in Building Service engineering. She received a PhD in engineering in 1998 in the field of energy and renewable energy utilization in greenhouses. She started as lecturer in 1998, then in 2004 became Assistant Professor and Researcher at the Szent Istvan University Hungary. In 2008 became an Associate Professor. Her field is the utilization of renewable energy, and energy management in buildings. In 2009 she acted as a Faculty Director for the International Relations.

In 2006-2007 Dr Szabo was seconded as a national expert to the Institute of Environment and Sustainability of the Joint Research Centre of the European Commission, and in 2010-2011 has been senior researcher in the Institute of Energy of the Joint Research Centre of the European Commission working on the technical assessment of Renewable Energy in the EU.

She has authored and co-authored more than 120 papers and research reports, published in journals and international conferences. She was member of several organizing committees for many international conferences and workshops. Dr. Szabo is member of the WREN and has been awarded a has been chosen as the best young scientist in renewable energy Congress, Florence, Italy in 2006.

# Prof Dr Dorota Chwieduk



**Dorota Chwieduk Prof., DSc. PhD., M.Sc, Mech..Eng.**

Deputy Director of the Heat Engineering Institute at Warsaw University of Technology. Research on Energy, Buildings and environment with focus on renewable energy, especially on solar energy, heat pumps and energy storage. Fellow Member of the Thermodynamics Section of Thermodynamics and Combustion Committee, Fellow Member of the Physics of Building Construction Section of the Civil Engineering Committee of the Polish Academy of Sciences, Fellow Member of the Energy Problems Committee of the Polish Academy of Sciences. President of the International Solar Energy Society – Europe 2009 – 2011 and the Past President 2012 – 2013. President of the Polish Solar Energy Society, since 1993. Editor in Chief of the “Polish Solar Energy” magazine. Since 1994 member of the World Renewable Energy Network - WREN. Nominated member of the AGE – Advisory Group on Energy for the FP7 of the European Commission 2007 - 2013. Member of the International Management Committee of the Smart Cities EERA JP. Awarded by the annual title of the year 2006 as „Promoter of Renewable Energy” by the “Clean Energy” magazine. Awarded by the Ministry of Buildings in 2006 for a chapter Low energy buildings. Renewable energy. in: Physics of Buildings, publisher Arkady. Awarded in 2008 by the World Renewable Energy Network – WREN as Pioneer of Renewable Energy. Awarded in 2009 by The Ministry of Infrastructure for the Best DSc Dissertation (habilitation) in Buildings and Construction discipline in 2008 in Poland. Awarded in 2010 by the Division of Production Engineering of the Warsaw University of Live Science for achievements and support for the Division. Awarded in 2012 by the Rector of the Warsaw University of Technology for the Best Scientific Achievements in 2011. Author of 220 national and international papers and 9 books and different reports.

**Title: Accomplishment of low energy buildings in high latitude countries through passive Solar systems**

Dorota Chwieduk Technical University of Warsaw, Institute of Heat Engineering,  
Warsaw, Poland

# Prof. Saad Darwish



Saad Darwish is the author of five books and the editor of six books in business and management. He has written over 50 papers in English and Arabic. He oversaw a large number of PhD and master's theses. And is a scholar with 42 years of experience in academic leadership as a Dean, Vice President for Academics, Vice President of Administration, and advisor. At the Kingdom University, he is now a Professor of Business Administration. As a Fellow and Senior Fellow of The Higher Education Academy UK, he has made significant contributions to education. He also serves on the Editorial Boards of several business and management journals as a reviewer. He has recently been nominated as an expert with the Ministry of Labor in their expert platform.

# Dr. Adeb Qaid



**Dr. Adeb Qaid** is an Assistant Professor at the college of Architecture Engineering and Design, Kingdom University, Bahrain. He was a coordinator of the research unit from 2019-2021 at the same university. His Ph.D. degree in Urban and Regional Planning, and his Master's degree in Urban Design and Conservation, from Universiti Teknologi Malaysia (UTM), Malaysia. His Bachelor's degree in Architecture Engineering and Built Environment. He got a postdoctoral fellowship from UTM, worked on different research projects related to urban climate, urban heat island, and outdoor thermal comfort within the city. He is a Research Advisor at Nan Yang Academic for Science (Singapore). Dr. Adeb has several published researches in a high impactful journals in Scopus and web of science. He was a chair and a chair sessions of deferent international conferences. He was an editor of special issue in Jurnal Teknologi indexed in Scopus. He is a peer-review for several international journals and conferences. Recently he is a Guest Associate Editor in Sustainable Infrastructure section, journal of Frontiers in Sustainable Cities. His research area of interest are urban environmental studies, resilient and sustainable design.

# DR. SUMAYA YUSUF HASAN ABBAS



**April 2020- date, Assistant Professor** of Environmental Engineering and Sustainability, College of Graduate Studies, Department of Natural Resources and Environment, Environmental Management Program, Arabian Gulf University, Kingdom of Bahrain.

**Sep 2011- March 2020,** Lecturer and Researcher, College of Graduate Studies, Department of Natural Resources and Environment, Environmental Management Program, Arabian Gulf University, Kingdom of Bahrain.

**Oct 2013- Jan 2019,** Ph.D in Engineering Scholar, Environmental Engineering & Sustainability, Sustainable Materials and Manufacturing Group, WMG, University of Warwick- UK

**Oct 2011- 2013,** Quality Assurance & Accreditation Coordinator, Quality Assurance & Accreditation Committee, College of Graduate Studies, Arabian Gulf University.

**April 2010- Dec 2012,** Acting Director, Consulatancies & Training Centre- Arabian Gulf University.

**April 2010- Jan 2011,** Quality Assurance Coordinator for College of Graduate Studies, Quality Assurance office, Arabian Gulf University.

**April 2010- Jan 2011,** Project Coordinator, Administrative System Development Project with Ernst & Young, Arabian Gulf University.

Dr Sumaya has the following qualification:

2019 – PhD from University of Warwick.

2015- M Phil same University. 2011- M Sc. University of Bahrain. Attended several research programs in Japan.

Dr Sumaya received several awards and recognition for her work on biotechnology and participated and published several papers in international and national media.



# Conference Exhibition

## Participation Fee

- 3 square meter shell scheme BHD 500.00

## A shell scheme will include:

### Hall 1

- Board with company name in both English and Arabic
- One information counter

## including:

- 2 free seats
- Honoring at the opening ceremony by His Excellency Dr Abdul Hussein bin Ali Mirza - President of Sustainable Energy Authority





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## Registration Form

Name	<input type="text"/>
Organization	<input type="text"/>
Title	<input type="text"/>
Telephone	<input type="text"/>
Email	<input type="text"/>
Postal Address	<input type="text"/>
Town	<input type="text"/>
Code	<input type="text"/>
Country	<input type="text"/>
Date	<input type="text"/>

METHOD OF PAYMENT **ALL IN Bahraini Dinar**

**NOTE:** Payment by credit card or Banks transfer only

Payment must be made to: Kingdom University

Payment & Registration forms should be sent to: Ms. Asma Alzubi: Public Relations Specialest

Email: a.alzubi@ku.edu.bh , Tel:13302995 & Fax: 13303018

**Participant in BD | 200**

**Students with official Certificate | 100**

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Name of the Holder \_\_\_\_\_ Expiry date \_\_\_\_\_  
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Please tick one of them : Visa, American Express, Master card, Euro card

**NOTE: We do not have one day registration.**

**Registration include: Program, Tea & Coffee, Lunch and a USB of the Lectures**