



6th Global Congress on Renewable Energy and Environment (ESWAE-2018)

www.eswae.org

12-14 October 2018
Pine Bay Hotel Congress Center
Kusadasi, Izmir, Turkey

PROGRAM

Organization

Association for Human, Science, Natura, Education and Technology

Organization

Organized by

Association for Human, Science, Natura, Education and Technology

Chair

Assoc. Prof. Dr. Murat Sonmez

Middle East Technical University Northern Cyprus Campus, North Cyprus

CV

<http://users.metu.edu.tr/sonmez/CV%20April%202016.pdf>

Co-Chair

Assist. Prof. Dr. Nehir Varol

Ankara University, Turkey

CV

<http://www.hamer.hacettepe.edu.tr/ekler/pdf/varol.pdf>

Organizing Committee

Prof. Dr. Haluk Soran, *Near East University, North Cyprus*

Prof. Dr. Ergun Gide, *CQUniversity Sydney, Australia*

Assist. Prof. Dr. Afet Arkut, *Cyprus International University, North Cyprus*

Assist. Prof. Dr. Nazım Kaşot, *Near East University, North Cyprus*

Dr. Nikzad Manteghi, *Islamic Azad University Tehran, Iran*

Naziyet Uzunboylu, *Manchester Metropolitan University, UK*

Dr. Mike Kirkwood, *Market Segment Director – Transmission at TDW, United Arab Emirates*

Coordinator

Assist. Prof. Dr. Serap Özbaş, *Near East University, North Cyprus*

eswae.info@gmail.com

International Advisory Board

Prof. Dr. Ergun Gide, CQUniversity Sydney, Australia
Assist. Prof. Dr. Afet Arkut, *Cyprus International University*, North Cyprus
Dr. Akira Kondo, Osaka University, Japan
Dr. Barry Kelly, National University Of Singapore, Singapore
Dr. Brajesh K. Dubey, University Of Guelph, Canada
Dr. Cevdet Meriç, Undersecretary of Forest and Water Works, Turkey
Dr. Charles Lee, The University Of Newcastle, Singapore
Dr. Christopher Peterson, Loyola University Chicago, Usa
Dr. Gary Rand, Florida International University, Usa
Dr. David Crumrine, Loyola University Chicago, Usa
Dr. Dominik Weiss, Imperial College London, United Kingdom
Dr. Fernando P. Carvalho, Nuclear and Technology Institute, Portugal
Dr. Gopal Achari, University Of Calgary, Canada
Dr. Jason Kirby, Csiro, Australia
Dr. John Carriger, U. S. Epa, Usa
Dr. Kathlyn Kirkwood, University Of Ottawa, Canada
Dr. Kenneth Mei-Yee Leung, The University Of Hong Kong, China
Dr. Mamadou Fall, University Of Ottawa, Canada
Dr. Mark Robson, Rutgers University, Usa
Dr. Mehrdad Mohammadnia, Fars Res. Center for Agriculture and Natural Resources, Iran
Dr. Miles Dyck, University Of Alberta, Canada
Dr. Nancy Tuchman, Loyola University Chicago, Usa
Dr. Nhan Dang, Vietnam Atomic Energy Agency, Vietnam
Dr. Peter Buraue, Juelich Research Center, Institute of Agrosphere, Germany
Dr. Rajasekhar Bala, National University Of Singapore, Singapore
Dr. Ron Thring, University Of Northern British Columbia, Canada
Dr. S. Gh. Etemad, Isfahan University Of Technology, Iran
Dr. Sandra Knuteson, American University of Sharjah, United Arab Emirates
Dr. Selma E. Guigard, University of Alberta, Canada
Dr. Shigeki Masunaga, Yokohama National University, Japan
Dr. Shu Tao, Peking University, China
Dr. Stephen Klaine, Clemson University, Usa
Dr. Stuart Simpson, Csiro, Australia
Dr. Tham Hoang, Loyola University Chicago, Usa
Dr. Koji Arizono, Prefectural University of Kumamoto, Japan
Dr. Bryan Brooks, Baylor University, Usa
Dr. Ahmet Demir, General Manager of Istanbul Municipality Waterworks, Turkey
Dr. Ahmet Mete Saatçi, Marmara University, Turkey
Dr. Cumali Kinaci, General Director of Ministry of Environment and Urbanization, Turkey
Dr. İbrahim Demir, Istanbul Technical University, Turkey
Dr. İzzet Öztürk, Istanbul Technical University, Turkey
Dr. Mehmet Emin Birpınar, Province Manager of Istanbul Environment and Urbanization, Turkey
Dr. Mehmet Karaca, Istanbul Technical University, Turkey
Dr. Metin Tülü, Yıldız Technical University, Turkey
Dr. Talha Gönüllü, Adıyaman University, Turkey
Dr. Zekai Şen, Istanbul Technical University, Turkey

PROGRAM

IMPORTANT EVENTS

11.10.2018 17:00 – 18:00	Welcome Cocktails, Lobby Bar
-----------------------------	------------------------------

11.10.2018 19:00 – 21:00	Dinner
-----------------------------	--------

11.10.2018 21:00 – 23:00	Show Time (Am phi theater)
-----------------------------	----------------------------

12-13 October 2018	
08:00 – 09:00	Breakfast

12-13 October 2018	
09:00 – 17:00	Registration

12.10.2018 10:00 – 10:15	Opening Ceremony	Hall 1
-----------------------------	------------------	--------

TIME	TITLE	SPEAKER	HALL NAME
12.10.2018 10:15 – 11:00 Keynote 1	"Importance of Normative Approach in the Contemporary Political Science and Its Implication for Empirical Researches".	Dr. Arkadiusz Modrzejewski Professor of University of Gdansk Department of Political Science Poland Editor-in-Chief: European Journal of Transformation Studies	1

11:00 – 11:30	Coffee Break
---------------	--------------

TIME	TITLE	SPEAKER	HALL NAME
12.10.2018 11:30 – 12:30 Keynote 2	"Role of academicians in a sustainable world"	Assoc. Prof. Dr. Murat Sönmez Middle East Technical University Northern Cyprus Campus Cyprus	1

TIME	TITLE	SPEAKER	HALL NAME
13.10.2018 09:30 – 10:30 Keynote 3	-----	Assoc. Prof. Dr. Bettina Fach Salihoglu Middle East Technical University, Turkey	1

TIME	TITLE	SPEAKER	HALL NAME
13.10.2018 11:00 – 12:30 Panel	"Publishing in International economics and politics, environments and social sciences Journals; with Present Examples"	Prof. Dr. Hüseyin Uzunboylu Editor-in-chief, Cypriot Journal of Educational Sciences Dr. Arkadiusz Modrzejewski <i>Editor-in-Chief:</i> European Journal of Transformation Studies Assoc. Prof. Dr. Murat Sönmez Editor, World Journal of Environmental Studies	1

12-13 October 2018	
--------------------	--

18:00 – 19:00	Networking (Lobby Bar)
12-13 October 2018	
19:00 – 21:00	Dinner
12-13 October 2018	
21:00 – 23:00	Show Time (Amphi theater)
14.10.2018 09:00 – 16:00	Free Historical Places Tour (Ephesus Heritage, Sirince Village and House of Virgin Mary)

12/10/2018, Friday

IMPORTANT EVENTS

11.10.2018 17:00 – 18:00	Welcome Cocktails, Lobby Bar
-----------------------------	------------------------------

11.10.2018 19:00 – 21:00	Dinner
-----------------------------	--------

11.10.2018 21:00 – 23:00	Show Time (Amphi theater)
-----------------------------	---------------------------

12-13 October 2018	
08:00 – 09:00	Breakfast

12-13 October 2018	
09:00 – 17:00	Registration

12.10.2018 10:00 – 10:15	Opening Ceremony	Hall 1
-----------------------------	------------------	--------

TIME	TITLE	SPEAKER	HALL NAME
12.10.2018 10:15 – 11:00 Keynote 1	“Importance of Normative Approach in the Contemporary Political Science and Its Implication for Empirical Researches”.	Dr. Arkadiusz Modrzejewski Professor of University of Gdansk Department of Political Science Poland Editor-in-Chief: European Journal of Transformation Studies	1

11:00 – 11:30	Coffee Break
---------------	--------------

TIME	TITLE	SPEAKER	HALL NAME
12.10.2018 11:30 – 12:30 Keynote 2	“Role of academicians in a sustainable world”	Assoc. Prof. Dr. Murat Sönmez Middle East Technical University Northern Cyprus Campus Cyprus	1

12:30 – 14:00	Lunch Break
---------------	-------------

ORAL PRESENTATIONS

Session 1

14:00 – 15:40

Hall 1

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	Using Solar Power as an Alternative Source of Electrical Energy for Street Lighting in Ghana	Antwi Addai, Ghana
2	Implementation Monitoring of EU Environmental Policy: Why the context conditions have improved for the European Commission	Alexander Bürgin, <i>Izmir University of Economics</i> , Turkey
3	Modelling of atmospheric turbidity using three artificial intelligence based models	Maamar Laidi, Abdallah el hadj abdallah, Cherif Si-Moussa, Salah Hanini, <i>Univresity of Médéa Algeria</i> , Algeria
4	The valorization of phosphogypsum in the development of new composite materials and modeling of mechanical stress	Youness Rakhila
5	A novel approach based on fractional calculus to pharmacokinetic model	Maamar Laidi, Salah Hanini, <i>Univresity of Médéa Algeria</i> , Algeria

15:40 – 16:00	Coffee Break
---------------	--------------

Session 2
16:00 – 17:40

Hall 1

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	Driving Cycle and Temperature Effects on the Energy Performance of a Solar-Powered Electric Vehicle in Istanbul	Erim Güner, Onur Taylan, Tuğçe Yüksel, <i>Middle East Technical University Northern Cyprus Campus, Cyprus</i>
2	Comparison of middle-size PV and PTC Power Plants for METU NCC	Gozde Taylan, Onur Taylan, Murat Fahrioğlu, <i>Middle East Technical University Northern Cyprus Campus, Cyprus</i>
3	Treatment of Real Textile Wastewater by Coagulation Flocculation and Adsorption	Dalila Sakhi, Younes Rakhila, Abdellah Elmchaouri, Meriem Abouri, Salah Souabi, <i>Hassan II University, Morocco</i>
4	Biological treatment of leachate from El jadida landfill in Morocco	Imane Chanaa, Abdeslam Taleb, Salah Souabi, <i>Hassan II University, Morocco</i>
5	The assessment of the treated leachate reuse in irrigation	Soukayna Rhouat, Mohamed Salah Eddine El Youbi, Fouad Dimane, <i>University of Ibn Tofail, Morocco</i>

12-13 October 2018	
18:00 – 19:00	Networking (Lobby Bar)

12-13 October 2018	
19:00 – 21:00	Dinner

12-13 October 2018	
21:00 – 23:00	Show Time (Amphi theater)

13/10/2018, Saturday

IMPORTANT EVENTS

12-13 October 2018	
08:00 – 09:00	Breakfast

TIME	TITLE	SPEAKER	HALL NAME
13.10.2018 09:30 – 10:30 Keynote 3	-----	Assoc. Prof. Dr. Bettina Fach Salihoglu Middle East Technical University, Turkey	1

TIME	TITLE	SPEAKER	HALL NAME
13.10.2018 11:00 – 12:30 Panel	"Publishing in International economics and politics, environments and social sciences Journals; with Present Examples"	Prof. Dr. Hüseyin Uzunboylu Editor-in-chief, Cypriot Journal of Educational Sciences Dr. Arkadiusz Modrzejewski <i>Editor-in-Chief: European Journal of Transformation Studies</i> Assoc. Prof. Dr. Murat Sönmez Editor, World Journal of Environmental Studies	1

12:30 – 14:00	Lunch Break
---------------	-------------

ORAL PRESENTATIONS

Session 3
14:00 – 15:40

Hall 1

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	Adaptation of wastewater treatment plants design methods to the national context : the case of trickling filters	abdellah Chaoui, Karim Mohammed Benhachmi, <i>Hassan II University, Morocco</i>
2	Study of the Autonomy of a Base Transceiver Station Supplied with Photovoltaic And Wind Energy in the South of Algeria	Mohamed Lassaâd Benzaoui, <i>University of Science and Technology Houari, Algeria</i>
3	Theoretical Study to Calculate the Vibration Modes of a Wind Turbine Blade With A New Composite Material	Rabie Elalaoui, Morocco
4	Investigation of Modal Analysis of New Natural Materials Composite for Wind Turbine Blade	Rabie Elalaoui, Morocco
5	Comparative structural and modal analysis of a wind turbine planetary gear based on material cut criteria using FEM	Abdellah Mohsine, Morocco
6	Maritime Transportation for Sustainable Development	<i>Almila Sonmez, University of Kyrenia, Cyprus</i>

15:40 – 16:00	Coffee Break
---------------	--------------

Session 4
16:00 – 17:40

Hall 1

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	The possible effects of the climate change on the "low-lands" – the Netherlands	Anil Berkin, <i>Middle East Technical University, Turkey</i>
2	Overview of nuclear energy policies: Turkey and Germany	Anil Berkin, <i>Middle East Technical University, Turkey</i>
3	In Which Stage Should Art be in Product Design Process for a more Sustainable World?	Murat Sönmez, <i>Middle East Technical University Northen Cyprus Campus, Turkey</i>
4	Hydrochemical Modelling of Pertek (Tunceli, Turkey) Geothermal System	Tugbanur Ozen Balaban, Ozlem Oztekin Okan, Taylan Sancar, Ayten Oztufekci Onal, Ali Onal, <i>Izmir Katip Celebi University, Turkey</i>
5	Trace Element Hydrogeochemistry of Pertek Thermal Waters, Tunceli, Eastern Anatolia, Turkey	Ozlem Oztekin Okan, Tugbanur Ozen Balaban, Taylan Sancar, Ayten Oztufekci Onal, <i>Izmir Katip Celebi University, Turkey</i>
6	A Comparative Analysis of Renewable Energy Prices in the EU and Oil Prices from 2006 – 2014	Can Ogutcu, Belgium

12-13 October 2018	
18:00 – 19:00	Networking (Lobby Bar)

12-13 October 2018	
19:00 – 21:00	Dinner

12-13 October 2018	
21:00 – 23:00	Show Time (Amphi theater)

14/10/2018, Sunday

14.10.2018 09:00 – 16:00	Free Historical Places Tour (Ephesus Heritage, Sirince Village and House of Virgin Mary)
-----------------------------	--