



10th



**ISTANBUL NISANTASI
UNIVERSITY
MASLAK, SARIYER,
ISTANBUL, TURKEY
20-22 NOVEMBER 2020**

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**10th WORLD CONFERENCE on INFORMATION
TECHNOLOGY**

**Istanbul Nisantasi University
Maslak, Sarıyer, Istanbul, Turkey
20-22 November, 2020**

DRAFT PROGRAM

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KEYNOTES



Assoc. Prof. Dr. Murat Sönmez

Middle East Technical University Northern Cyprus Campus
Güzelyurt /TRNC Mersin Turkey

Keynote Title: The role of academics for engineers to enable them to fulfill their expected roles in sustainable development

Abstract: The adverse environmental impact of global warming has been accepted by the scientific community. Equally well documented is the catalyzing effect of fossil fuel consumption on global warming through greenhouse gas emissions. The focus of scientific and engineering research has inevitably drifted from achieving high output at any energy cost to accomplishing required work with minimum energy consumption. Large international companies have embraced “going green”, not only due to the positive public image repercussions of being environmentally friendly but also competitive advantages from reduced manufacturing costs. Nowadays, it is a very important and widespread mission to achieve organizational objectives at minimum energy, material, and water consumption and correspondingly at minimum cost, by supplying energy at the lowest available price, managing energy consumption at peak efficiency, and utilizing the most appropriate technology, finding the optimum shape and size for a product for having a sustainable world. After having national and international decisions and policies of country executives, engineers find their roles again at the conceptual design, detailed design, manufacturing, and maintenance stages. This article highlights that a sustainable world requires well-educated engineers with fresh ideas, analytical approaches, interdisciplinary research and development skills, and subjects not only the role of engineers but also that of academics in sustainable development.
Key Words: Sustainable development, Engineering education

Bio: Assoc. Prof. Dr. Murat Sönmez, was born in Ankara, Turkey, in 1959. He received his PhD degree in Mechanical Engineering from Middle East Technical University (METU), in 1995. He worked as a research engineer, a teaching assistant and then an instructor for METU (Ankara Campus) between 1981- 2007. Currently, he is a full-time faculty member in the Mechanical Engineering Program at METU Northern Cyprus Campus. His main research interests include energy saving, energy management, technical education, computer aided design and manufacturing. He is editor in chief of World Journal of Environmental Research, member of Research and Publication Ethics Committee of METU NCC, and one of the members of the editorial board of the Science PG-Educational Journal. He is also one of the peer reviewers of Science PG- American Journal of Energy Engineering, and that of British Educational Research Journal.



Prof. Dr. Osman Yıldırım

İstanbul Arel University
İstanbul Turkey

Keynote Title: Lights-out Universities and Twenty-first Century Competencies

Abstract: Industrial transformations are happening more rapidly than in the past. While the transition from Industry 1.0 to Industry 2.0 took a very long time, subsequent industrial transformations took place at shorter intervals. Applications, technologies and unmanned smart systems (especially Smart Factory, Smart University, cyber-physical structure that will serve the society, etc.) brought about by the rapid development in Industry 4.0 are rapidly taking place in human life. In this research, Lights-out university and 21st century competencies are discussed.

Industry 4.0, where industrial transformations have come, has forced human resources competencies to change rapidly. While the competencies of all industrial sector employees are reshaping, higher education education systems have made digitalization compulsory. For example, the digitalized university will continue its life with faculty members with digital competencies. The digital university (Lights-out University), which has emerged as a

new structure, will carry out its activities independently from the campus with faculty members with digital competencies. Moreover, the digital university that can use artificial intelligence and similar algorithms will offer teaching environments designed in accordance with students' learning skills. The new University structure will become increasingly established and will need to employ faculty with twenty-first century competencies (4C or 7C).

Bio: Osman YILDIRIM is currently working with Istanbul Arel University, Turkey. He got the B.S. and M.Sc. degrees in Electronic Engineering at Bosphorus University in 1983 and 1986 respectively. In 1994 he completed his Ph.D. studies in Electronic Engineering at Istanbul Technical University. In 2006, he completed his second Ph.D. studies in Business Management at Istanbul University. Since 2013 he has been with Istanbul Arel University where he is the head of Department of Electrical Engineering. His research interests are HR, Behavioral Sciences, Strategic HR Management, Electromagnetics, Radar, and Statistical Techniques.



Assist Prof. Dr. Nazım Kaşot

University of the Mediterranean Karpasia

Keynote Title : Teaching Environmental Education Through Technology

Abstract: It is very important to share information about the environment, to create awareness and to ensure its sustainability, to connect with and touch people. People need to know that the environment must be protected in order to survive. Addressing environmental problems and eliminating these problems can only be possible if people have environmental awareness. Various media tools and technologies can be used to spread environmental awareness among people.

It is known by all that social media raise awareness of the public by examining environmental problems. For this reason, it can be said that the easiest way to share information about the environment is social media. Increasing environmental knowledge and awareness with technologies that can be used alongside the media has become one of the important issues of today's world. The Covid-19 pandemic has shown that digital learning has become a part of our lives despite different opinions and will be used more often in the future. In this presentation; Methods that will facilitate the learning of environmental issues in technology aid will be mentioned and examples will be given.

Bio: Nazım Kaşot studied biology at the Ege University between the years 2003 and 2007. His graduation project was about the biology of stripe necked terrapin (*Mauremys rivulata*). He was ranked third in the class and the fourth of section Nazım Kaşot, Kıbrıs Adası'nda Dağılım Gösteren Çizgili Kaplumbağa'nın (*Mauremys rivulata*) Ekolojisi ve Biyolojisi Hakkında Bir Ön Çalışma with 85/100 points. He has the master degree on Secondary Education Field Teaching at Atatürk Teacher Training Academy between the years 2010 and 2011 and then worked as a biology and science teacher at the Bekirpaşa High School, Mehmetçik Secondary School, Mağusa Vocational High School, Haspolat Vocational High School and Gazi Mağusa Türk Maarif College. He had many experiences in the field of secondary education and combined his experiences to improve the environmental education in secondary schools. He was graduated from the master program on environmental education at the Near East University in 2012. He was also graduated from his PhD program on the same area in 2016 at the same university. He is now working for University of the Mediterranean Karpasia as an associate professor. He is conducting researches especially on environmental education and biodiversity issues.

DRAFT PROGRAM

IMPORTANT EVENTS

20.11.2020 10:00 – 10:15	Opening Ceremony	
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TIME	TITLE	SPEAKER	HALL NAME
20.11.2020 10:15 – 11:00 Keynote 1			1

11:00 – 11:20	Coffee Break	
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TIME	TITLE	SPEAKER	HALL NAME
20.11.2020 11:20 – 12:00 Keynote 2			1

12:00 – 13:00	Lunch	
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TIME	TITLE	SPEAKER	HALL NAME
21.11.2020 10:00 – 10:40 Keynote 3			1

21.11.2020 18:00 – 18:20	Closing Ceremony	
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20/11/2020, Friday

IMPORTANT EVENTS

20.11.2020 10:00 – 10:15	Opening Ceremony	
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TIME	TITLE	SPEAKER	HALL NAME
20.11.2020 10:15 – 11:00 Keynote 1			1

11:00 – 11:20	Coffee Break	
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TIME	TITLE	SPEAKER	HALL NAME
20.11.2020 11:20 – 12:00 Keynote 2			1

12:00 – 13:00	Lunch	
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**Session 1
13:00 – 15:00**

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	The effect of Property Taxes in Portugal	Natacha Jesus Silva, Portugal
2	Analytical Approach To The State Of E-Governance In Africa: Using The Parameter Of Nigeria Scenario	Ibrahim Abubakar, <i>Atilim University</i> , Turkey
3	Women and Prudence: How Prudent are the Women Working in Top Position on Financial Services Sector?	Çisem Bektur, Arzu Arzova, Sabri Burak Arzova, <i>Sakarya University</i> , Turkey
4	Strategic Environmental Assessment (Sea) Process For Business, Finance And Administrative Sciences In Industry 4.0 Towards Sustainable Development	Vijayan Gurumurthy Iyer, India
5	Intellectual property rights education for university students, a case study for universities in Binh Duong province, Vietnam	Tran Van Trung, <i>Thu Dau Mot University</i> , Vietnam
6	Higher-Order Moment And The Efficiency Rate Of Stocks: A Case Study In Vietnam	Vo Hoang Oanh, <i>Thu Dau Mot University</i> , Vietnam
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15:00 – 15:20	Coffee Break	
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Session 2
15:20 – 17:00

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	Assessing Aquifer Vulnerability To Pollution And Seawater Intrusion In The Telezza Plain, Lower Valley Of The Guebli Wadi, Northeast Of Algeria	Laroussi Beloulou, Zahira Chouit, Saadane Djorfi, <i>Université Badji Mokhtar, Algeria</i>
2	Optimization of the MPPT Efficiency with Fuzzy Logic for PV System	Cherait Leila Leila, Ourici Amel, <i>Université Badji Mokhtar, Algeria</i>
3	Inhibitive Effect Of An Organic Compound On The Corrosion Of Carbon Steel In Demineralized Water	Nadia Hammouda, <i>20 Août 1955 University, Algeria</i>
4	Waste Management Education: A Driven Concern For Academic Community	Gbadebo Edward Gbadeyanka, <i>Karabuk University, Turkey</i>
5	Zero Hunger - Zero Emissions: Building Pathways to ZERO-ZERO –a low –carbon, hunger –free Nigeria	Oladipo Ademola Olubayo, Nigeria
6	Optimal Passive Filters Design Using Cuckoo Optimizationin Power System Supplying Nonlinear Load	Glaoui Hachemi, <i>University of Bechar, Algeria</i>
7	Determining The Optimum Medium Voltage Level By Analysis Of Different Voltage Levels	Fatma Avli Firiş, <i>Turkey</i>

17:00 – 17:20	Coffee Break
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Session 3
17:20 – 19:00

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	Increasing Ship Energy Efficiency with Diesel Electric Propulsion	Murat Pamik, Mustafa Nuran, <i>Dokuz Eylül University, Turkey</i>
2	An Assessment On The Efficient Use Of Hybrid Propulsion System In Marine Vessels	Murat Bayraktar, A. Güldem Cerit, <i>Dokuz Eylül University, Turkey</i>
3	Increasing Efficiency with Biomimetic Approach in Thermoregulative Building Envelope Strategies Supporting Internal Thermal Comfort	Banu Çiçek Avcioğlu, Hüdayim Başak, <i>Gazi University, Turkey</i>
4	Determination Of Optimum Collector Angle And Suitability Of Existing Building Stocks For The Minimum Cost In Çorum	Seyfi Şevik, Abdülkadir Koçer, Hüseyin Ince, F.Engin Tombuş, <i>Hitit University, Turkey</i>
5	Optimal sizing of a hybrid system for supplying the administrative unit of a limited liability company in ALGERIA by using Particle swarm optimization	Abdelfattah Kerboua, Fouad Boukli Hacene, Ahmed Mahmoud Lemrabout, Abdel Kader Mahmoud, <i>Algeria</i>
6	Experimental Analysis By Image Processing Of The Purity Of Micronized Particles For Electrostatic Separators	Youssef Brahami, <i>Algeria</i>
7	Identifying Optimal Orientation Of A Photovoltaic Generator For Ozone Food Storage	Brahami Mohammed Nadjib, Boudjella Fatima Zohra, <i>Djillali Liabès University, Algeria</i>

21/11/2020, Saturday

IMPORTANT EVENTS

TIME	TITLE	SPEAKER	HALL NAME
21.11.2020 10:00 – 10:40 Keynote 3			1

10:40 – 11:00	Coffee Break
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**Session 3
11:00 – 13:00**

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	Prediction of Renewable Energy Consumption For Future World by Using Artificial Neural Net-works	Ramiz Musallam Salama, <i>Near East University, Cyprus</i>
2	Decreasing the Bad Effects of Climate Change on Islands, By Supporting Of Artificial Neural Network Technology	Ramiz Musallam Salama, <i>Near East University, Cyprus</i>
3	Sustainable Environmental Impact Assessment Of Pharmaceutical And Toxicological Industries	Vijayan Gurumurthy Iyer, <i>University of Madras, India</i>
4	Environmental Health Impact Assessment (EHIA) Process Act for the Control of Corona-Virus Disease (COVID-19) Pandemic and Epidemic Disasters	Vijayan Gurumurthy Iyer, <i>University of Madras, India</i>
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13:00 – 14:00	Lunch
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**Session 4
14:00 – 16:00**

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	Designing a new distance assessment tool in Spain	Jesus Garcia Laborda, Teresa Magal-Royo, Ana Gimeno-Sanz, <i>Universidad de Alcala, Spain</i>
2	An Analysis on Industrial Internet of Things in Digital Transformation of Shipyard in Turkey	Ibrahim Cil, Fahri Arisoy, Hilal Kilinc, <i>Sakarya University, Turkey</i>
3	Developing Cooling System Application (Arduino) , For the immobile patients	Ramiz Musallam Salama, <i>Near East University, Cyprus</i>
4	Mobile Application Development for Deaf Assistant	Ramiz Musallam Salama, <i>Near East University, Cyprus</i>
5	Developing strategic games SUDOKU for assistance in modern means of education	Ramiz Musallam Salama, <i>Near East University, Cyprus</i>
6	Design and development for the security of Airport Network by using Cisco Packet Tracer	Ramiz Musallam Salama, <i>Near East University, Cyprus</i>
7	Role of Diversity and Workforce Management in Promoting Innovation	Chitra Krishnan, Gurinder Singh, <i>Amity University, India</i>

16:00 – 16:20	Coffee Break
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Session 5
16:20 – 18:00

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	Visibility of Resources and Assets in the Shipyard Industry with IoT	Ibrahim Cil, Fahri Arisoy, Hilal Kilinc, <i>Sakarya University, Turkey</i>
2	How does technology and social media optimize CLIL education	Jesus Garcia Laborda, Kassemi Serroukh Umaima, <i>Universidad de Alcala, Spain</i>
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21.11.2020 18:00 – 18:20	Closing Ceremony	
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