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Program & Speakers

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September 22, 2021 Wednesday

Session: TR 11

Time: 10.00 - 11.30 (TRT)

OPENING SESSION - The Role of Zero Energy Buildings in Sustainable Development









Yasemin Somuncu - Turkey Secretary General of ZeroBuild Türkiye'21



Musa Rahmanlar, Ph. D. - Turkey Republic of Turkey Ministry of National Education, General Directorate of General Directorate of Construction and Real Estate, Head of Monitoring, Evaluation and Coordination Department Opening Speech



Murat Bayram - Turkey Republic of Turkey Ministry of Environment and Urbanization, General Directorate of Vocational Services, Head of Department of Energy Efficiency and Installation **Opening Speech**



Ali Gizer - United Kingdom GTALLIANCE Sustainability Consulting, Founder Director, Sustainability and Research Consultant **Opening Speech**



Abdullah Buğrahan Karaveli, Ph. D. - Turkey Republic of Turkey Ministry of Energy and Natural Resources, Head of Department of Energy Efficiency and Environment **Opening Speech**



Prof. Jiří Jaromír Klemeš - Czech Republic Brno University of Technology, Co-Editor-in-Chief of Journal of Cleaner Production Keynote Speech



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Session: TR 12

Time: 12.00 - 13.30 (TRT)

Promoting Zero Energy Building Applications in Green and Resilient Urban Transformation





Hakan Güldağ - Turkey Dünya Newspaper (NBE) Chairman of the Board Moderator



Ömür Bayar - Turkey Yalova Municipality, Urban Planning Director Joint Evaluation of the Concepts of Earthquake and Energy Performance in Municipal Processes



Esra Turan Tombak - Turkey Republic of Turkey Ministry of Environment and Urbanization, Department of External Investments, Head of Department Pilot Nearly Zero Energy Building Applications in Energy Efficiency in Public Buildings (KABEV) Project



Serhat Sahin - Turkey Kadıköy Municipality, Head of Architectural Project Group, Renewable Energy Coach at MAKING-CITY EU Project The Role of Local Governments in Zero Energy and Green **Building Based Urban Transformation**



Hülya Uğuz Yedievli - Turkey The Real Estate Development Academy, Founder Development of Zero Energy Projects in the Real Estate Sector in Turkey



Dr. Touraj Ashrafian - İran Özyeğin Üniversity, Academician Challenges to be Faced in Designing Positive Energy Buildings and Districts





Session: TR 13

Time: 14.00 - 15.30 (TRT)

Compliance with EU Standards, Green Deal, Impacts on Turkey and Employment









Dr. Şeref Oğuz - Turkey Dünya Newspaper, Chairman of the Editorial Board Moderator



Assoc. Prof. Fatih Cemil Özbuğday - Turkey Ankara Yıldırım Beyazıt University, Academician The Expected Microeconomic Effects of the Green Deal in Turkey



Bengisu Özenç - Turkey Sustainable Economics and Finance Association, Director EU Green Deal from a Long Term Strategy Perspective



Mehmet Kemal Bozay - Belgium Republic of Turkey Permanent Delegation of Turkey to the EU, Permanent Delegate and Ambassador Opportunities and Challenges of the Green Deal in the Scope of Turkey's EU Accession Process





September 22, 2021 Wednesday

Session: TR 14

Time: 16.00 - 17.30 (TRT)

Green Procurement Strategies and Implementation Roadmap for Turkey





Selen inal - Turkey Stantec, TurSEFF Business Development Manager



Duygu Çağman - Turkey KfW IPEX - Bank, Project Manager Could Peer-to-Peer ("P2P") Electricity Trading Platforms Support Growth of Rooftop PV Solar Market in Turkey?



Mustafa Daldal - Turkey Enerjisa Energy, Head of Distributed Generation and e-Mobility **FSCO Model for Sustainable Buildings**



Eren Akkale - Turkey JLL, Facilities Manager JLL to Achieve Global Net Zero Carbon Emissions



Sıla Duran - Turkey Sekans Energy, Co-Founder, Renewable Energy Expert Applications of Renewable Energy Certificates, IREC, YEK-G (Renewable Energy Resource Guarantee Certificate), . Renewable PPAs

Session: TR 15

Time: 18.00 - 19.30 (TRT)

BIM Based Design Practices and Strategies in Zero Energy Buildings





Nil Kutlar - Turkey ZeroBuild Türkiye, Head of Architects Network



Aydın Özçekiç - United Kingdom Botmore Technology Ltd, CEO BIM Based Design Applications in Zero Energy Buildings



Paula Baptista - Germany Deutsche Energie-Agentur GmbH (DENA),Specialist Architect for Energy-Efficient Building International Strategies for Improved Energy Performance in Multi-Story Residential Buildings in Germany



Assoc. Prof. Gülsu Ulukavak Harputlugil - Turkey Çankaya University, Architecture Department, Senior Lecturer Performance Evaluation and Simulation of Zero Energy Buildings: What, Why, How?



Dr. VSKV Harish - India Netaji Subhas University of Technology (NSUT), Department of Electrical Engineering Grid Interactive Zero Energy Buildings

Session: TR 16

Time: 20.00 - 21.30 (TRT) **Women Aiming at Net-Zero**









Fatos Karahasan - Turkey Dünya Newspaper, Journalist Writer Moderator



Lisa White - USA Passive House Institute US, Associate Director PHIUS: the Path to ZERO



Sinem Çelik - Turkey WIRE Turkey Chapter, Co-Lead Woman in Energy Sector



Natalie Irwin - Canada Efficiency Canada, Director of Stakeholder Engagement Net-Zero Homes and Challenges Faced by Women to Enter the Workforce



Tania Banerjee - India Ernst & Young LLP, Climate Change Manager Low Emission Building Stock Transformation through Energy Efficiency Policy Implementation: Case of Bhutan





September 23, 2021 Thursday

Session: TR 21

Time: 10.00 - 11.30 (TRT)

Zero Energy Buildings and Insulation





Prof. Hasan Heperkan - Turkey istanbul Aydın University, Dean of Engineering Faculty Moderator



Moderator Moderator





Kürşad Sakarya - Turkey
RBS Ravago Building Solutions, Product Group Manager
iZODER- ECOFYS Cost Effective U-Value Analysis



Hüseyin Sefa Ertan - Turkey Şişecam Flat Glass, Business Associates Development Manager A View for "Zero Energy Buildings" from the Perspective of Legal Regulations in Glazing Systems



Dr. Sedat Semih Çağlayan - Turkey Sakarya University of Applied Sciences, Academician TBC

Session: TR 22

Time: 12.00 - 13.30 (TRT)

Building and Materials Certification Systems and Methodologies







Yasemin Salih - Turkey Dunya Newspaper, Journalist Writer



Moderator





Samet Yılancı - Turkey Republic of Turkey Ministry of Environment and Urbanization, Energy Efficiency Branch, Environment and Urbanisation Expert Sustainable Green Buildings and Districts



Naz Beykan - Turkey International Finance Corporation (IFC), Green and Resilient Buildings Expert Zero Carbon Buildings with IFC's EDGE Certification



Stefanos Pallantzas - Greece HPHI, Hellenic Passive House Institute, President of Board Passive House Certification and Component Certification





Session: TR 23

Time: 14.00 - 15.30 (TRT)
Financing Energy Efficiency



Koray Göytan - Turkey TurSEFF, Team Lead, Project Manager Moderator



Derya Mahmut - Turkey Aklease, Başkent Branch Manager Panelist



Seray İmer - Turkey Garanti BBVA, Sustainable Finance Manager Panelist



Vedat Karahanoğlu - Turkey Türkiye İş Bankası, SME Banking Marketing, Division Head Panelist





September 23, 2021 Thursday

Session: TR 24

Time: 16.00 - 17.30 (TRT)

Department What is EPC?

Energy Performance Contracts for Zero Energy Buildings





Mesut Avcı, Ph. D., CEM, CMVP - Turkey Stantec, Chief Engineer

Murat Ersin Sahin - Turkey





Jaroslav Marousek - Czech Republic SEVEn Energy, S.R.O., Executive Director Financing Projects Using Energy Performance Contracts



Oğuz Kürşat Kabakçı - Turkey Republic of Turkey Ministry of Energy and Natural Resources, **EPC Group Coordinator** Procedures and Principles Regarding the Implementation

of Energy Performance Contracts in the Public Sector

Republic of Turkey Ministry of Energy and Natural Resources,

Department of Promotion, Education, Study, Head of



Javier Martinez Belotto - Spain ANESE, Sustainable Finance Manager Contractual and Financial Dimensions of Energy **Performance Contracts**

Session: TR 25

Time: 18.00 - 19.30 (TRT) **BIPV (Building Integrated Photovoltaics)**





Alican Özden - Turkey Stantec, Deputy Project Manager



Ayşe Çiğdem Besen - Turkey GTC Güneş, CEO Local Design and Production at BIPV



Lucienne Krosse - Netherlands EIT InnoEnergy, Thematic Leader Sustainable Cities and Opportunities and Barriers for BIPV Scalability



Dr. Björn Rau - Germany Helmholtz-Zentrum Berlin für Materialien und Energie (HZB), Head of Consultancy Office for BIPV (BAIP) / Deputy Director of Competence Center for PV Berlin (PVcomB)
Building-Integrated Photovoltaics - Experiences, Examples and Lessons Learned from Independent BIPV Consultancy



Miguel Herrero - Belgium SolarPower Europe, Policy Advisor What Role for BIPV in the EU Buildings? Market Status. Industrial Prospects and Remaining Barriers



Session: TR 26

Time: 20.00 - 21.30 (TRT) **Measurement and Verification**





Mesut Avcı, Ph. D., CEM, CMVP - Turkey Stantec, Chief Engineer



Denis Tanguay - Canada Efficiency Valuation Organization, Executive Director Measurement & Verification: the Corner Stone of Energy **Efficiency Business Transactions**



Oğuz Kürşat Kabakçı - Turkey Republic of Turkey Ministry of Energy and Natural Resources, EPC Group Coordinator Measurement and Verification within the Scope of Energy **Performance Contracts**



Lia Webster - USA Facility Energy Solutions LLC, Principal Developments in Advanced Measurement and Verification



Pierre Langlois - Canada Econoler, President The Essential Role of M&V in Energy Performance Contracting





September 24, 2021 Friday

Session: TR 31

Time: 10.00 - 11.30 (TRT)

OPENING SESSION - SEPEV, PHI and IPHA





Seda Güleç - Turkey SEPEV Zero Energy and Passive House Association, Head of Board Moderator



Susanne Theumer - Germany
IPHA International Passive House Association, Building
Certification Department, Senior Consultant
Opening Speech



Fatma Şahin - Turkey Union Of Municipalities Of Turkey, President Opening Speech



Giorgia Tzar - Germany
IPHA International Passive House Association, Association
Manager
Opening Speech

Session: TR 32

Time: 12.00 - 13.30 (TRT)

ZEB Case Studies - Examples of Passive House Certified Houses





Yasemin Somuncu - Turkey
SEPEV Zero Energy and Passive House Association Board
Member, ZeroBuild Türkiye Secretary General
Moderator



Stefanos Pallantzas - Greece HPHI, Hellenic Passive House Institute, President of Board Passive House Developments in Greece: New Certified PH Residential Buildings



Márcio Dias - Portugal Builders Passive LDA, CEO Mindelo House



Svetlin Dobrevski - Bulgaria Passive House Bulgaria, General Manager Climate Zones with Hot Summer and Cold Winter – Build a Passive House!



Mark Siddall - United Kingdom LEAP, Director of Architecture and Research Lessons From Larch Corner



Tuğba Salman Gürcan - USA SEPEV Zero Energy and Passive House Association Board Member, passivhausMAINE Chair Passive House Ankara

Session: TR 33

Time: 14.00 - 15.30 (TRT)

ZEB Case Studies - Examples of Passive House Certified Schools





Tuğba Salman Gürcan - USA SEPEV Zero Energy and Passive House Association Board Member, passivhausMAINE Chair Moderator



Dr. Francesco Nesi - Italy ZEPHIR Passivhaus Italia, CEO Bridging the Gap: the School Leads the Way



Naomi C. O. Beal - USA passivhausMAINE, Executive Director Maine's First PH School, Leadership through Action



Michele De Beni - Italy ZEPHIR Passivhaus Italia, Mechanical Systems Designer Bridging the Gap: the School Leads the Way



Nidhi Shah - United Kingdom RAFT Retrofit Action For Tomorrow, Retrofit Consultant Helping Schools Reach Their Zero Carbon Target by 2030





September 24, 2021 Friday

Session: TR 34

Time: 16.00 - 17.30 (TRT)

ZEB Case Studies - Examples of Passive House Certified Public Buildings





Pınar Yalman Akcengiz - Turkey SEPEV Zero Energy and Passive House Association, Member of Board Moderator



Seda Güleç - Turkey SEPEV Zero Energy and Passive House Association, Head of Board Gaziantep Ecological Building



Dr. Francesco Nesi - Italy ZEPHIR Passivhaus Italia, CEO A Landmark for the Community on the Adriatic Coast: the Passivhaus MEGABOX Office



Seda Güleç - Turkey SEPEV Zero Energy and Passive House Association, Head of Board **UN Incubation Center**

Session: TR 35

Time: 18.00 - 19.30 (TRT)

Examples from Buildings in Turkey and Vicinity in Passive House Certification Process





Özgür Kaan Alioğlu - Turkey ODE Insulation Deputy General Manager & Member of Board



Dimitris Pallantzas - Greece HPHI, Hellenic Passive House Institute, Education Officer How to Design a Zero Energy School - PH Kindergarten in **Athens**



Mohammad Heidarie - Iran Aftab Saray Energy International Institute, Chairman of the Board of Directors - ZEBesco, Zarir Behin Sazan Energy Company Ltd, Managing Director Iran's 1st Passive House Building Design and Construction



Kumsal Çakır - Turkey KU Architectural Design Studio, Founder + Architect Passive House in Mediterranean Climate



Muslim Muhammed Raheem - Iraq Passive House Iraq, Founder and CEO How to Build Passive House in Poor Societies?

Session: TR 36

Time: 20.00 - 21.30 (TRT)

Innovative System Proposals for a Carbon Neutral Future









Berk Kurtuluş - Turkey Sustainability Consultant in Buildings & Commissioning Engineer in HVAC (MSc) Test and Commissioning Procedures at Passive Houses



Dr. Selcen Nur Erikçi Çelik - Turkey Nişantaşı University, Faculty of Arts and Design, Academician A System Proposal over the Integration of Building - Energy and Technology Applications in the Architectural Design Process



Melih Meriç - Turkey Design Office, Founder Evaluation of Positive Energy Regions in the Cities of the



Serdar Aslan - Turkey Royal Cert Energy, General Manager Energy Efficiency in Buildings Oriented Finance Opportunities and Improvements





September 25, 2021 Saturday

Session: TR 40

Time: 09.45 - 09.55 (TRT)

ZeroBuild Academy Opening Speech





Yasemin Somuncu - Turkey Secretary General of ZeroBuild Türkiye'21 ZeroBuild Academic Day Opening Speech

Session: TR 41

Time: 10.00 - 11.30 (TRT)

Heat Transfer and Thermal Comfort in Buildings: Fundamentals and Applications







Prof. Yunus Ali Çengel - USA Professor Emeritus at the University of Nevada, Reno Heat Transfer and Thermal Comfort in Buildings

Session: TR 42

Time: 12.00 - 13.00 (TRT)
Building Envelope







Prof. Hatice Sözer - Turkey Istanbul Technical University, Faculty Member Building Envelope

Session: TR 43

Time: 13.15 - 15.30 (TRT)

Building Systems (Lighting Systems & Mechanical Systems)







Prof. Sermin Onaygil - Turkey istanbul Technical University, Energy Institute, Chair of Energy Planning and Management Division, President of Turkish National Committee on Illumination Lighting Systems



Dr. Mustafa Berker Yurtseven - Turkey İstanbul Technical University, Energy Institute, Assistant Director Mechanical Systems





September 25, 2021 Saturday

Session: TR 44

Time: 16.00 - 17.30 (TRT) **Renewable Energy Systems**









Prof. Raşit Turan - Turkey METU, Director of Center for Solar Energy Research and Solar Energy Technologies



Prof. Oğuz Uzol - Turkev METU, Director of Center for Wind Energy Research Wind Energy and Wind Turbines



Prof. Mehmet Kadri Avdınol - Turkev METU, Director of Center for Energy Storage Materials and Devices Batteries and Their Technology in Energy Storage Applications

Session: TR 45

Time: 18.00 - 19.30 (TRT) **Indoor Environment Quality**









Filiz Pehlivan - Turkev FNP Engineering & Consulting, Co-Owner & General Manager Indoor Air Quality



Prof. Hülya Kılıç - Turkey Nişantaşı Üniversity, Head of Interior Architecture Department Light And Sound Quality in Indoor Environment

Session: TR 46

Time: 20.00 - 21.30 (TRT)

Relationship Between Meteorology and Climate from Construction to Operation of Zero Energy Buildings





Cenk Osman Aksoy - Turkey Caks Mimarlık, Architect-Meteorologist Moderator



Dr. Levent Yalçın - Turkey Metosfer, Climate Expert and Meteorologist The Relationship Between Meteorology and Climate from Construction to Operation of Zero Energy Buildings



Cihan Şahin - United Kingdom ECMWF, Analyst Numerical Weather Forecast, Data Access and Processing



Zeynep Akkan - USA Climate Reality Leader, Volunteer Climate Change and Its Impact in the Bulding Industry





September 26, 2021 Sunday

Session: TR 51

Time: 10.00 - 11.30 (TRT)

Zero Energy Buildings and the Pandemic



Yasemin Salih - Turkey Dünya Newspaper, Journalist Writer Moderator



Ahmet H. Gökşin - Turkey HAVAK, Managing Director Zero Energy Buildings and the Pandemic



Burak Toraman - Turkey Sick Building Doctor, Company Owner, Engineering & Energy Management Consultant Understanding Nature and Making Optimum Use of its Power



Esma Sarıaslan Divrikli - Turkey MÜKAD, Women's Association of Engineers and Architects, Foundress President The Importance of Ventilation in Schools with Evaluations of Health, Success and Economic Benefit



Meriç Sapçı - Turkey METTA Engineering and Consultancy, Owner Impact of Covid-19 Global Outbreak on **Building Ventilation Systems**



Dr. Sanem Şenler Özbil - Turkey Betek Boya ve Kimya Sanayi A.Ş., Insulation Product Supervisor The Effect of Exterior Thermal Insulation Composite Systems on Human Health

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Session: TR 52

Time: 12.00 - 13.30 (TRT)

Smart - Digital Building Systems



Beril Alpagut - Turkey Demir Energy, MAKING-CITY Project Coordinator Moderator



Prof. Agis Papadopoulos - Greece Aristotle University of Thessaloniki, Director of Process Equipment Design Lab
Keynote Speech: Decarbonization Strategies for Resilient, Non-Residential Buildings



Altuğ Karataş - Turkey VAT Energy Services, General Manager Digitalization in Energy



Deepika Sandeep - India Honeywell, AI Leader AI - an Enabler for Green Buildings



Onur Günduru - Turkey Onur Energy, General Manager Smart Transformation of Buildings with Green Deal

Session: TR 53

Time: 14.00 - 15.30 (TRT)

The Importance of Zero Energy Buildings in a Carbon Neutral Future



Didem Eryar Ünlü - Turkey Dünya Newspaper, Journalist Writer



Ayşe Çiğdem Besen - Turkey Zero Energy Buildings and Rooftop Solar Energy Systems



Fikriye Seda Atabek - Turkey Solarwall Türkiye, Consultant, Auditor & Trainer A Unique Way to Heat Our Buildings: Sun



Assoc. Prof. İdil Ayçam - Turkey Gazi University, Academician Innovative Technologies in Zero Energy Buildings



Dr. Nuri Cihan Kayaçetin - Belgium KU Leuven Faculty of Technology Engineering, Post-doc Researcher Circularity Tools and LCA for nZEB Design

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September 26, 2021 Sunday

Session: TR 54

Time: 16.00 - 17.30 (TRT)

Zero Energy Buildings and Passive System Solutions





Assoc. Prof. Şebnem Ertaş Beşir - Turkey Akdeniz University, Faculty of Architecture, Academician Moderator



Aylin Kalav - Turkey Dörken Sistem, Technical Marketing Executive Healthy Building Design Considering the Climate Change Reality



Esra Aydınoğlu - Turkey Şişecam Flat Glass, Product Manager for Architectural Glass and Franchise Role of Glass in Nearly Zero Energy Buildings



Didem Kale - Turkey
Ege Profil / Deceuninck TR, Director of Research and Product
Development
PVC Windows in Zero Energy Buildings



Osman Hakan Uslu - Turkey Assan Panel, R&D and Quality Senior Manager Passive Design Concept and Applications in Industrial Buildings

Session: TR 55

Time: 18.00 - 19.30 (TRT)

Moderator

Zero Energy Buildings and Active System Solutions





Züleyha Özcan - Turkey MÜKAD, Association of Women Engineers & Architects, President



Abdullah Yaman - Turkey Korkmaz Kitchener, R & D Coordinator Considerations Regarding the Selection of Energy-Efficient Electrical Appliances



Kağan Turan - Turkey Warmhaus, Managing Director The Importance of the Heating Sector in Zero Energy Field



Prof. İbrahim Atmaca - Turkey
Akdeniz University, Mechanical Engineering Department,
Academician
Energy Efficient Systems in Industrial Building Air Conditioning



Assoc. Prof. Mustafa Türkmen - Turkey Fotonik Technology, General Manager The Importance of LED Lighting Technologies for Zero Energy Buildings

Session: TR 56

Time: **20.00 - 21.30 (TRT)**

ZeroBuild Türkiye Grand Final



Ozan Şahin - Turkey Leader of ZeroBuild Turkiye University Network, Student Moderator



Leyla Arsan - Turkey TAGES, CEO Energy Efficiency Everywhere



Buket Hazal Yilmaz - Turkey izmir Institute of Technology, City and Regional Planning Department Panelist



Onur Ünlü - Turkey EYODER, Energy Efficiency and Management Association, President, Escon Energy General Manager Energy Efficiency in University Campuses



Dilara Karabulut - Turkey Trakya University Architecture Department, Student Panelist



Önder Algedik - Turkey İKLİMDER Climate, Energy and Environmental Problems Research Association, President, Energy and Climate Specialist Keynote Speech: Zero Energy Buildings; Beyond Choice



Hira Tunahan - Turkey
KTO Konya Karatay University, Energy Management Department,
Student
Panelist



Zinet Kaplan - Türkiye Gebze Technical University, Architecture Department Panelist





Supporting Organisations



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We extend our warmest thanks to our most valuable supporting organisations and media partners, for their contribution to ZeroBuild Türkiye'21, focusing on positive and social sciences with the hope of a sustainable living.