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(In alphabetical order)



YILDIZ TECHNICAL UNIVERSITY

ECOLOGICAL AGENDA

Faculty of
Architecture

Faculty of
Electrical and
Electronics
Engineering

Strategic Research
Center

INTERNATIONAL CONFERENCE

**NEW PERSPECTIVES in
ECO-TECHNOLOGY and ECO-ECONOMY**

**10 - 12 May 2010
Yıldız Technical University Auditorium
Beşiktaş - İstanbul**

www.eco-agenda.yildiz.edu.tr eco-agenda@yildiz.edu.tr

CONFERENCE THEME

New Perspectives in Eco-Technology and Eco-Economy

Since the 1950s, the most important issue threatening the future of the mankind, has been the frequent global ecological crises as a result of excessive consumption of non-renewable natural resources, and air, water and soil pollution due to industrial emissions.

Today, within the context of the global economic crisis, the need for a new way of thinking for economic policies, which will permit the consumption of the natural ecological resources while protecting them, is increasingly evident. Most of the natural ecological resources are non-recyclable values, and they are the unique and essential capital for socio-economic progress and development. Thus, re-directing the economic rationality, with the reconstitution of an ecologically sound society, towards an eco-social and eco-industrial rationality has become an obligation.

When taken into consideration within the notion of sustainability, it is remarkably evident that the only way out of our survival depends on a new global paradigm and policy that are coherent and are considered within the scope of ecological and economical ethics. Thus, re-thinking the global economy, technology and industry through an eco-centric perspective holds a significant importance.

In this context, symposium themed, "New Perspectives in Eco-Technology and Eco-Economy" will be held at Yildiz Technical University Auditorium in May 2010. The symposium will embrace the subjects such as developing an eco-centric based awareness and ethics models for a sustainable living that are conducive to mankind's perspective and behavior towards the ecological models; economic and financial methods that will reduce and/or prevent environmental pollution and excessive consumption of natural resources; developing new industrial technologies by encompassing cyclical models in order to increase the possibility of waste recycling in each process of industrial production and consumption; natural resources management in the production of energy; site selection and land utilization techniques for specific sectors; ecological design models, and construction techniques that use environment friendly materials in architecture, review and critique of technical and judicial legislation for the protection and the utilization the national and international natural thresholds.

DAY 1 - 10 MAY 2010

09.30 -10.00 OPENING CEREMONY

Prof. Dr. Semra ATABAY - Chair

Prof. Dr. Zekai GÖRGÜLÜ - Dean of Faculty of Architecture

Prof. Dr. İsmail YÜKSEK - Rector of Yıldız Technical University

Ertuğrul GÜNAY - Ministry of Culture and Tourism

Prof. Dr. Veysel EROĞLU - Ministry of Environment and Forest

Mustafa DEMİR - Ministry of Publics Work and Settlement

10.00 -10.30

THEMATIC SPEECH: Sustainability of Life rather than Sustainable Development

Prof. Dr. Bozkurt GÜVENÇ, Yeditepe University

10.30 -11.45 ENVIRONMENTAL ETHICS AND POLICY - Auditorium

Moderator: Prof. Dr. Sümer GÜREL, Aydın University

- **Environmental Ethics and Policy**

Prof. Dr. Sümer GÜREL

- **Biopolicy: Economical and Environmental Crisis: The Opportunities to Build a Green Society**

Prof.Dr. Agni VLAVIANOS ARVANITIS, Biopolitics, Greece

- **Business World and Environmental Ethics**

Prof. Dr. Günay KOCASOY, Bogazici University

- **Sustainable Development Challenges for the Developing Countries Under Global Environmental Policies**

Caner ZANBAK, Advisor of Turkish Chemical Manufacturers Association

11.45 - 13.00 *Lunch Break*

13.00 - 14.20 ECO-PLANNING IN GLOBAL and LOCAL CONTEXT - Auditorium

Moderator: Prof. Dr. Ayşe Nur ÖKTEN, Yıldız Technical University

- **Urban Sprawl and Its Implications for Sustainable Development**

Prof. Dr. Ruşen KELEŞ, Ankara University

- **Urbanization and Mega Cities- A Challenge for Urban Planning and Sustainable Development**

Prof. Dr. Ing. Eckart RIBBECK, Stuttgart University

- **Ecological Planning for Ecological Settlements and a Case Study for Bartın City,**
Assoc. Prof. Dr. Selma ÇELIKYAY, Bartın University, Prof. Dr. Semra ATABAY, Yıldız Technical University

- **Towards a New Perspective on Measurement of Sustainability: Comparison of Green Neighborhood Assessment Systems**

Dr. Tuba İNAL ÇEKİÇ, Dr. Ayşegül ÖZBAKIR, Ass. Prof. Dr. Doruk ÖZÜGÜL, Yıldız Technical University

14.20 - 14.35 *Coffee Break*

DAY 1 - 10 MAY 2010

14.35 - 16.00 GREEN ECONOMY -

Auditorium

Moderator: Prof. Dr. Erhun KULA, Bahçeşehir University

- **Afforestation by Carbon Sequestration**
Prof. Dr. Erhun KULA, Bahçeşehir University
- **Environmental Concerns and Sustainable Transport Systems in the European Union and Turkey: A Comparison**
James DARBY, Ass. Prof. Dr. Dilek ÖZDEMİR DARBY, Yeditepe University
- **Definition of Benefits and Implication of Green Accounting**
Dr. Tamer ATABARUT, Boğaziçi University
- **Green Banking: Rules and Standarts**
Dr. Zeynep KAÇMAZ ÖZTÜRK
- **Turkey's Negotiations with the European Union and the Trade Barriers Encountered**
Fikret ÖZER, Center for Psychotherapy Research, University of Heidelberg

16.00 - 16.15 Coffee Break

16.15 - 17.15 ECO-ARCHITECTURE and BUILDING TECHNOLOGIES I-

Auditorium

Moderator: Prof. Dr. Ing. Eckart RIBBECK, Stuttgart University

- **Innovative Low-Cost Solutions of Zero Emission Buildings for Municipal, Industrial and Commercial Infrastructure**
Prof. Dr. Ing. Horst HÖFLER, Siegen University
- **Introducing a New Design Approach: Energy Harvesting Buildings**
Dr. İbrahim Başak DAĞGÜLÜ, Yıldız Technical University
- **Methods of two-axial application of Geothermics - Cooling and Heating of Buildings**
Prof. Dr. Ing. Richard A. HERRMANN, Dr. rer. nat. Verena J. HERRMANN, University of Siegen

16.15 -17.45 TOURISM PLANNING -

Exhibition Hall

Moderator: Prof. Dr. Betül ŞENGEZER, Yıldız Technical University

- **A Comparative Study on Activity Selection with MCDA Technologies in Ecotourism Planning**
Assoc. Dr. Kenan OK, İstanbul University, Dr. Ersin YILMAZ, Eastern Mediterranean Forestry Research Institute, Dr. Taner OKTAY, İstanbul University
- **Social Dimension of Sustainable Tourism Development: The Case of Bodrum/Akyarlar**
Dr. Muammer TUNA, Muğla University
- **Green Perspective in Tourism: Ecotourism**
Candan BAL, Pelin BOZOĞLU, Ministry of Culture of Tourism
- **Eco-Tourism: An Alternative for Sustainable Development of Tourism in Turkey**
Ass. Prof. Dr. Ayfer GÜL, Ass. Prof. Dr. Berna DIKÇINAR SEL, Yıldız Technical University
- **Effects of Climate Changes on Tourism Destinations**
Prof. Dr. Barbaros GÖNENÇGİL, İstanbul University

DAY 2 - 11 MAY 2010

09.30 -10.30 ECO-ARCHITECTURE and BUILDING TECHNOLOGIES II - *Auditorium*

Moderator: Prof. Dr. Rengin ÜNVER, Yıldız Technical University

- **An Examination of Building Ventilation Methods in Terms of Environment and Natural Ventilation Principles**
Res.Asst. Polat DARÇIN, Prof. Dr. Ayşe BALANLI, Yıldız Technical University
- **Affordable Housing- Montreal Social Housing Projects as An Example**
Assoc. Prof. Dr. Meltem YILMAZ- Hacettepe University
- **Where is Nilüfer Municipality in The Changing World**
Urban and Landscape Planner Nazlı YAZGAN, Municipality of Nilüfer

10.30 - 10.45 Coffee Break

10.45 - 12.00 ECO-PLANNING IN GLOBAL and LOCAL CONTEXT - *Auditorium*

Moderator: Prof. Dr. R. A. HERRMANN, Siegen University

- **Economic Valuation of Urban Spaces in German Cities**
Prof. Dr. Ing. Dietwald GRUEHN, Dortmund University
- **Discussion of Environmental Threats on the Example of Büyükçekmece Water Basin**
Urban Planner Nazlı KARABACAK, Yıldız Technical University
- **Integrated Water Basin Planning: The Comparison of Turkey and EU**
Instructor Ufuk Fatih KÜÇÜKALİ, Aydın University
- **An Evaluation on the Normative Determinants of Land Use Decision and the Ecological Effects**
Prof. Dr. Seniha ÇELIKHAN, Gebze Institute of Technology, Ass. Prof. Dr. Çiğdem ÇİFTÇİ, Selçuk University, Res.Asst. Semiha Sultan ERYILMAZ, Yıldız Technical University

DAY 2 - 11 MAY 2010

12.00 - 13.00 CLEAN ENERGY TECHNOLOGIES and THEIR APPLICATIONS -I Auditorium

Moderator: Prof. Dr. Galip CANSEVER, Yıldız Technical University

- **Geothermal Energy - A Lucrative Source of Energy**
Dipl. Geol. Andreas HAGEDORN, Tracto-Technik GmbH&Co. KG. Germany
- **Sharing Experiences While Developing an Energy Efficient Residence**
Erol INELMAN, Boğaziçi University
- **Development and Transfer of Technology for Climate Change**
Tijen KÜÇÜKYILDIZ İĞCI, EU Expert, DG for EU Coordination, Ministry of Industry and Trade of Turkey

12.00 - 13.00 CLEAN ENERGY TECHNOLOGIES and THEIR APPLICATIONS II Exhibition hall

Moderator: Assoc. Prof. Dr. Haluk GÖRGÜN Yıldız Technical University

- **The Effect of Lighting Design Parameters on The Efficiency of Building Illumination System**
Assoc. Prof. Dr. Muğteşem TANRIÖVEN, Res.Asst. Ali ERDUMAN, Ali DURSUN, Yıldız Technical University
- **Dynamic Modelling and Intelligent Control of Hybrid PV/FC/Battery Power System for Stand -Alone Applications**
Ozan ERDİNÇ, Yavuz EREN, Haluk GÖRGÜN, Mehmet UZUNOĞLU, Yıldız Teknik Üniversitesi
- **Economic Analysis of a Renewable Energy Supplied Residential House**
Arif Karakaş, Uğur Savaş SELAMOĞULLARI, Yıldız Technical University

13.00 - 14.00 Lunch Break

DAY 2 - 11 MAY 2010

14.00 - 15.00 LEGAL ASPECTS of ENVIRONMENTAL ISSUES-

Auditorium

Moderator: Prof. Dr. Firuz Demir YAŞAMIŞ, Aydın University

- **An Assessment of the Status quo of Environmental Law in Turkey: Theory and Praxis**
Prof.Dr. Firuz Demir YAŞAMIŞ, Aydın University
- **The Influences of Ethics in the Evolution of Environmental Law**
Prof.Dr. Theodor PANAGOPOULOS, Pireaus University
- **Application of the Actual European Energy Saving Control Regulation**
Prof. Dr. Ing. P. SCHMIDT, Siegen University

15.00 - 15.15 Coffee Break

15.15 - 16.45 ECOLOGICAL INDUSTRY and APPLICATIONS -

Auditorium

(In Memory of Prof. Dr. Cemil CANGIR)

Moderator: Prof. Dr. Feride DOĞANER GÖNEL, Yıldız Teknik Üniversitesi

- **Ecological Impacts of Modern Food Technology: The Public Health Security Dilemma**
Ihab TEWFIK, University of Westminster
- **Land Asset in Turkey, Basic Problems and Importance of Rural Land Planning**
Prof. Dr. Cemil CANGIR, Ass. Prof. Dr. Duygu BOYRAZ, Tekirdağ University
- **Use of Hydro Power - Chances, Innovations and Potentials of Mini- and Micro Hydro Power Plants**
Prof. Dr. Jürgen JENSEN, Dr.-Ing. Torsten FRANK, Dipl.-Ing. Jörg WIELAND University of Siegen
- **Can Eco-Technologies Save Us?**
Sociologist Gökçe KAÇMAZ, Istanbul University

16.45 17.00 Coffee Break

17.00 -18.00 CORPORATE SOCIAL RESPONSIBILITY -

Exhibition Hall

Moderator: Prof. Dr. Niyazi BERK, Bahçeşehir University

- **Towards One Planet Living: Ecological Footprint and Sustainable Development**
Dr. Sedat KALEM , Buket Bahar DURAK, Ceren AYAS, Gelena İŞ, WWF
- **The Forbidden Fruit - Exodus from Hell**
Dr. Uygur ÖZESMİ, Greenpeace
- **The Turkish Green Building Council: An NGO for Sustainable Buildings**
Bengi ATUN, Turkish Green Building Association

DAY 3 - 12 MAY 2010

10.00 - 17.00

PANEL: "Eco-Friendly Settlement Policies"

Moderator: Prof. Dr. Ruşen KELEŞ, University of Ankara

Rapporteur: Ass. Prof. Dr. Yiğit EVREN, Ass. Prof. Dr. Doruk ÖZÜGÜL

- Doç. Dr. Yusuf ERBAY
Governor of Yalova
- Ahmet Misbah DEMIRCAN
Municipality of Beyoğlu
- Prof. Dr. Mustafa AKAYDIN
Municipality of Antalya
- Doç. Dr. Mustafa FARSAKOĞLU
Municipality of Adalar
- Recep ALTEPE
Municipality of Bursa
Union of Municipalities of Marmara
- Mustafa BOZBEY
Municipality of Nilüfer
- İbrahim KARAOSMANOĞLU
Municipality of Kocaeli
- Prof. Dr. Yılmaz BÜYÜKERŞEN
Municipality of Eskişehir
- Hasan Bülent TÜRKÖZEN
Municipality of Ayvalık
- Dr. Kadir TOPBAŞ
Union of Municipalities of Turkey
- Tunç SOYER
Municipality of Seferihisar
- Prof. Dr. Ing. Horst HÖFLER
University of Siegen
- Prof. Dr. Richard A. HERRMANN
University of Siegen
- Prof. Dr. Ing. Jürgen JENSEN
University of Siegen
- Prof. Dr. Dietwald GRUEHN
Technical University of Dortmund
- Dipl. Geol. Andreas HAGEDORN
Tracto-Technik GmbH&Co. KG
- Prof. Dr. Firuz Demir YAŞAMIŞ
Aydın University
- Prof. Dr. Hüseyin CENGİZ
Yıldız Technical University
- Prof. Dr. Semra ATABAY
Yıldız Technical University

RECEPTION: Gala Dinner hosted by Municipality of Beyoğlu



GREENPEACE

