

"SUMMER COURSE ON EXERGY AND ITS APPLICATIONS"**(24-26 June 2019)****Trakya University, Edirne****~ PROGRAM ~**

Day 1: 24 June 2019 (Monday) (Trakya University-Balkan Convention Center Block B, Conference Hall)		
Hours	Lecturer	Title
08.00-09.00		Registration
09.00-09.15	Dr. A. Ozturk	Welcoming Talks
09.15-10.00	Dr. I. Dincer	Energy and Exergy Dimensions
10.00-10.45	Dr. M. Ozilgen	Introduction to Bio & Medical Thermodynamics
10.45-11.00		Coffee Break
11.00-11:45	Dr. Y.A. Cengel	Thermodynamic Concepts
11.45-12:30	Dr. Y.A. Cengel	Introduction to the 2 nd Law and Exergy
12.30-14.00		Lunch Break
14.00-14.45	Dr. M. Ozilgen	Exergy Analysis of Biological Structures
14.45-15.30	Dr. I.B. Kilis	Game Changer in HVAC Applications: Exergy
15.30-16.00		Coffee Break
16.00-16.45	Dr. A. Hepbasli	Energy and Exergy Analysis of Steam Boilers
16.45-17.30	Dr. A. Midilli	Chemical Exergy Calculations: Examples
17.30-18.30	Dr. I. Dincer	Energy and Exergy Analyses and Efficiency Assessments of Systems: A Problem Session
18:30		End of the Day

Day 2: 25 June 2019 (Tuesday) (Trakya University- Balkan Convention Center Block B, Conference Hall)		
Hours	Lecturer	Title
09.00-09.45	Dr. M. Karakilcik	Exergy Analyses of PV and PV/T Systems
09.45-10.30	Dr. A. Hepbasli	Exergetic Evaluation of Building Energy Systems
10.30-11.00		Coffee Break
11.00-11.45	Dr. Y.A. Cengel	Exergetic Approach to Innovation
11.45-12.30	Dr. Y. A. Cengel	Preserving Exergy via Energy Efficiency
12.30-13:30		Lunch Break
13.30-14.15	Dr. I. Dincer	Integrated Solutions with Exergy
14.15-14.55	Dr. I.B. Kilis	Exergetic Sustainability Models
14.55-15:40	Dr. C. Acar	Exergy Analysis of Hydrogen Production Processes
15.40-16.00		Coffee Break
16.00-16.45	Dr. A. Midilli	Exergy Analysis of Gasification Systems
16.45-17.30	Dr. M.A. Ezan	Exergy Analysis and Optimization of Thermal Energy Storage Systems
17.30-18.15	Dr. A. Midilli	Exergetic, Environmental and Sustainability Assessments of Energy Systems
18:15		End of the Day

Day 3: 26 June 2019 (Wednesday) (Trakya University- Balkan Convention Center Block B, Conference Hall)		
Hours	Lecturer	Title
09.00-09.45	Dr. C.O. Colpan	Exergy Analysis and Optimization of Fuel Cells
9.45-10.15	Dr. M Ozturk	Exergy Analysis of Liquefaction Systems
10.15-10.45	Dr. M. Ozilgen	Exergy Analysis in Food and Pharmaceutical Industries
10.45-11.15		Coffee Break
11.15-11:45	Dr. A. Hepbasli	Energy and Exergy Management System Standards
11.45-12.30	Dr. I. Dincer	Novel Energy Topics and Exergy Analysis, and Future Directions
12.30-13:00		Certificates and Awards Ceremony and Closing Remarks
13.00		Closure

PRINCIPAL LECTURERS	
Prof. Dr. Ibrahim Dincer	University of Ontario, Canada & Yildiz Technical University, Turkey
Prof. Dr. Yunus A. Cengel	University of Nevada at Reno, USA
Prof. Dr. Arif Hepbasli	Yaşar University, Turkey
Prof. Dr. Adnan Midilli	Recep Tayyip Erdogan University, Turkey
Prof. Dr. Mustafa Özilgen	Yeditepe University, Turkey
Prof. Dr. I. Birol Kilis	ASHRAE, USA
Contributors	
Dr. Canan Acar	Bahcesehir University, Turkey
Dr. C. Ozgur Colpan	Dokuz Eylul University, Turkey
Dr. M. Akif Ezan	Dokuz Eylul University, Turkey
Dr. Mehmet Karakilcik	Cukurova University, Turkey
Dr. Murat Ozturk	ISUBU, Turkey

Location: Trakya University – Balkan Yerleşkesi, Balkan Kongre Merkezi, Edirne, Turkey (www.trakya.edu.tr)**Notes:** Although the course language is Turkish, course notes and presentation documents will be available in English.**Organizing Committee:** Ayşegül Öztürk (Coordinator), Semiha Öztuna, Oktay Hacıhafızoğlu and Doğan Eryener.**Contact Information:**

For registration forms submission, contact:

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Info on Course Details: Please visit <https://ekserjikursu.trakya.edu.tr> (in Turkish) & <https://ekserjikursu-en.trakya.edu.tr> (in English)