

**"SUMMER COURSE ON EXERGY AND ITS APPLICATIONS"****(6-8 August 2018)****Yaşar University, Izmir****~ PROGRAM ~**

<b>Day 1: 6 August 2018 (Monday)</b> <b>(Yaşar University- Y110 Conference Hall)</b>		
Hours	Lecturer	Title
08.00-09.00		Registration
09.00-09.15	Dr. A. Hepbasli	Welcoming Talks
09.15-10.00	Dr. I. Dincer	The Need for Exergy
10.00-10.45	Dr. M. Ozilgen	Introduction to Bio & Medical Thermodynamics
<b>10.45-11.00</b>		<b>Coffee Break</b>
11.00-11.45	Dr. Y.A. Cengel	Thermodynamics as Part of Daily Life
11.45-12.30	Dr. Y.A. Cengel	Introduction to the 2 <sup>nd</sup> Law and Exergy
<b>12.30-14.00</b>		<b>Lunch Break</b>
14.00-14.45	Dr. M. Ozilgen	Exergy Analysis of Biological Structures
14.45-15.30	Dr. M. Ozilgen	Exergy Analysis in Food and Pharmaceutical Industries
<b>15.30-16.00</b>		<b>Coffee Break</b>
16.00-16.45	Dr. A. Hepbasli	Exergetic Evaluation of Building Energy Systems
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
<b>18:30</b>		<b>End of the Day</b>

<b>Day 2: 7 August 2018 (Tuesday)</b> <b>(Yaşar University- Y110 Conference Hall)</b>		
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 Analysis of Integrated PV Systems
<b>10.30-11.00</b>		<b>Coffee Break</b>
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
<b>12.30-13:30</b>		<b>Lunch Break</b>
13.30-14.15	Dr. I. Dincer	Integrated Solutions with Exergy
14.15-14.55	Dr. A. Hepbasli	Energy and Exergy Management System Standards
14.55-15:40	Dr. C. Acar	Exergy Analysis of Hydrogen Production Processes
<b>15.40-16.00</b>		<b>Coffee Break</b>
16.00-16.45	Dr. A. Midilli	Exergy Analyses of Hydrogen Compression and Storage 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 Fuel Cells
<b>18:15</b>		<b>End of the Day</b>

<b>Day 3: 8 August 2018 (Wednesday)</b> <b>(Yaşar University- Y110 Conference Hall)</b>		
Hours	Lecturer	Title
09.00-09.45	Dr. A. Hepbasli	Exergy Analysis of Vacuum Cooling Systems
9.45-10.15	Dr. E. Biyik	Exergy Approach for Demand Control
10.15-10.45	Dr. N.Y. Ozcan	Exergy Analysis of Snow Melting Systems
<b>10.45-11.15</b>		<b>Coffee Break</b>
11.15-11:45	TBD	TBD
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
<b>13.00</b>		<b>Closure</b>

<b>PRINCIPAL LECTURERS</b>	
Prof. Dr. Ibrahim Dincer	University of Ontario, Canada & Yildiz Technical University, Turkey (Scientific Coordinator)
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
<b>Contributors</b>	
Dr. Canan Acar	Bahcesehir University, Turkey
Dr. M. Akif Ezan	Dokuz Eylul University, Turkey
Dr. Mehmet Karakilcik	Cukurova University, Turkey
Dr. Emrah Biyik	Yasar University, Turkey
Dr. Nurdan Y. Ozcan	Yasar University, Turkey

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**Notes:** Although the course language is Turkish, course notes and presentation documents will be available in English.

**Organizing Committee:** Arif Hepbasli, Emrah Biyik, Nurdan Yildirim Ozcan, Levent Bilir, Basar Caglar, Mustafa Araz, Huseyin Ozcan and Aysegul Kahraman.

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**Info on Course Details:** Please visit <https://ese.yasar.edu.tr/ekserji-kursu-2/> (in Turkish) & <https://ese.yasar.edu.tr/en/exergy-course/> (in English)