TURBINES II FOR FUTURE CLEAN POWER AND AVIATION IN ROMANIA -ME 533

May 25- June 22, 2024

This course will cover background, fundamental relationships, mono-dimensional design, meridional analysis, experimental and computational tools to assess aerothermal performance of thermal machinery, architecture discussions, turbine design guidelines, loss mechanisms, turbine leakage flows and the new areas of research as well as the future use of turbomachinery for clean power and propulsion.

This location was chosen because COMOTI-Romanian Research & Development Institute for Gas Turbines is located in Bucharest. Cultural events and local tours will also be included such as visiting Bran Castle, the inspiration for Bram Stoker' s Dracula in Transylvania (pictured above)

Earn 3 credits for ME 53300. Eligible students must have completed Thermodynamics I and Fluid Mechanics. Open to AAE, ME, ECE, Civil, Chemical, and Nuclear engineering. Open to undergrad Seniors, Masters, and PhD. Others need to contact Prof. Paniagua to determine eligibility.

Program cost is estimated at $3,600. This includes: Housing, breakfast daily, a few meals, cultural excursions, Bucharest transportation pass, academic credits, and international health insurance. Additional costs are: Flight, meals, personal spending money and travel, Passport, and Visa (if necessary) Final price will be determined by December 1.

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