

TED University
Department of Civil Engineering
CE 410 Civil Engineering Design
Fall 2016-2017, Seminar Series #2
27 October 2016, Ahmet Ersan Conference Hall, 15:00

Simplicity and Engineering

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Abstract

Over the last two decades, the evolution of civil engineering codes has shown that code writers all over the world tend to shift towards complexity. Rule makers, however, overlook the real users, the engineering community, and just focus on academic sophistication. Today's computer era often kills real engineering such as understanding structural behavior and creates a computer addicted generation. In this seminar, it is aimed to show that even simple approaches in civil engineering can capture the essence of structural behavior and provide real insight into basic structural engineering.

About the lecturer

Prof. Dr. Erdem Canbay obtained his B.Sc. degree at Istanbul Technical University and completed his M.Sc. and Ph.D. degrees from Middle East Technical University. After completing his postdoctoral study at Purdue University, he joined Middle East Technical University as a faculty member in 2003. His research interests are reinforced concrete design, seismic testing, and repair/strengthening of RC structures. He has over 50 international journal and conference papers, and he is the co-author of 3 books on reinforced concrete structures, earthquake engineering and strength of materials.

