THE DEPARTMENT OF CHEMICAL ENGINEERING presents the

GRADUATE SEMINAR

WEDNESDAY, APRIL 9, 2014
CHARLES E. BAUKAL, JR., PH.D,
P.E., DIRECTOR OF THE
JOHN ZINK INSTITUTE
3:00 P.M.- 4:10 P.M. IN WEB 2250

JOHN ZINK HAMWORTHY COMBUSTION

Industrial Combustion Applications

Abstract:
Combustion is used in a wide range of industrial applications. This presentation will be a survey of applications in a wide range of industries including metals (e.g., ferrous and non-ferrous), minerals (e.g. glass and cement), chemicals and petrochemicals (e.g., heaters and furnaces), and power generation (e.g., boilers). A wide range of gaseous fuels, oxidizers, burners, temperatures, and combustors will be discussed. It will be limited to atmospheric pressure combustion processes. The breadth and diversity of the applications shows the varied needs and requirements in different industries.

Short Biography:
CHARLES E. BAUKAL, Jr., PhD, P.E., is the Director of the John Zink Institute. He has over 30 years of experience in the field of industrial combustion in the metals, minerals, petrochemicals, textiles, and paper industries. He is an inventor on eleven U.S. patents and has authored/edited thirteen books on industrial combustion and written numerous publications. He holds BS, MS and PhD degrees in mechanical engineering and is a member of ASME, ASEE, and the Combustion Institute. He is an adjunct instructor at the University of Tulsa, Oral Roberts University, the University of Oklahoma, and the University of Utah and is a member of a number of advisory boards.

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