

CE 890 Graduate Seminar

- DATE:** November 19, 2008
- TIME:** 4:00 p.m. (refreshments served at 3:45 p.m.)
- PLACE:** Rathbone 1052
- SPEAKER:** Kevin W. Smith, Distance Learning M.S. Candidate (major professor: Dr. A. Esmaily)
- TOPIC:** Steel Joist Engineering, Fabrication, and Application

ABSTRACT

The main theme of this presentation is steel joist design and fabrication. Brief introduction of the Commercial Metals Company (CMC), the holding company of CMC Joist & Deck, and the Steel Joist Institute, as the major companies and agencies involved in this field will be followed by a discussion on short-span, long-span joist girder as well as composite joist design assumptions. Utilization of different fabrication methods to produce economical structural members will also be discussed and a number of project design examples will be presented. Graduate degree courses taken at KSU and their important role to further the presenter's career in the steel joist industry will be explained. This information is beneficial for those interested in structural design and provides an opportunity to learn more about steel joist fabrication.