



Sabbah works on his project.

Gas Fired Emitters Project



Ruiz

Professors Ruiz, Yagoobi, and Clack are collaborating on a project supported by the Gas Technology Institute. This group is investigating the combustion process in a gas-fired infrared emitter to enhance its thermal performance. The new gas-fired emitter is expected to provide higher radiation heat fluxes than the current technology. Rami Sabbah, a Ph.D. candidate in the department, is carrying out his dissertation research on this project.

The gas-fired emitters are widely used in various industries such as pulp/paper and food industries. They are used for heating, drying, and/or moisture profiling of moist porous materials. A 50 to 100 degree Celsius increase in the emission temperature of an infrared emitter could result in a significant increase in the product throuput.



Clack



MMAE

Mechanical, Materials & Aerospace
Engineering Department
Illinois Institute of Technology

www.mmae.iit.edu

MMAE Department Notes

Professor Rollin Dix started a popular bi-annual department tennis tournament for faculty, staff, and students. The students greatly enjoy beating faculty members in matches.

The department held a contest among undergraduate and graduate students for the design of a new logo for the department. The logo contest winners were graduate students Ranganathan Ramanathan and Steve Talbot. The logo is printed above.

A new department web site was launched in the summer of 2003. The new look and feel as well as the improved site navigation has been well-received. To visit our new site, go to www.mmae.iit.edu.



Department secretary Mable Isaacs retired in spring 2003.

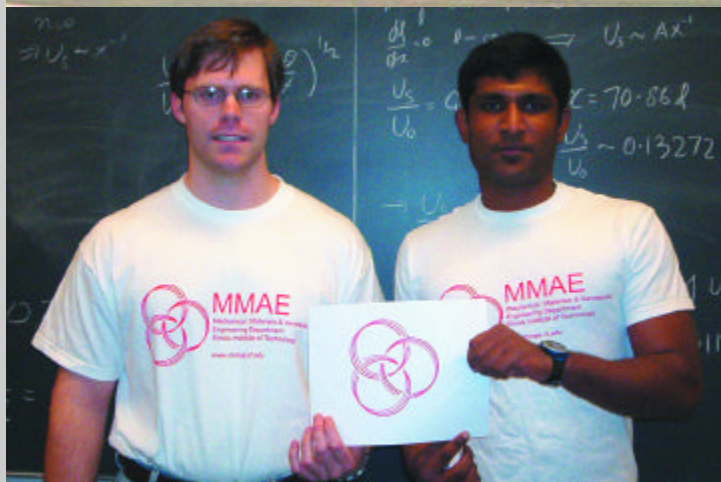
Barrett

A new administrative assistant, Kim Barrett, joined the department in spring 2003.



DeWees

Renata DeWees was the recipient of the 2002-2003 MMAE staff award.



Top photo: A student participates in the MMAE tennis tournament.

Lower photo: Steve Talbot and Ranganathan Ramanathan display their winning logo design.