

# engineers

---

## November 2000

### Awards and Honors



**Dr. Stephen Rankin**, chemical and materials engineering, has received a U.S. Department of Energy Defense Programs Early Career Scientist and Engineer Award. The award was officially presented on October 24 at ceremonies held at the Department of Energy's headquarters in Washington, DC.

Dr. Rankin was nominated by scientists at Sandia National Laboratories, New Mexico with whom he has previously collaborated. His citation read "...for the use of innovative computer models which give fundamental scientific insights into the directed self-assembly of porous materials organized at the nanometer scale."

Dr. Rankin joined the UK Department of Chemical and Materials Engineering in August. He holds a Ph.D. degree in chemical engineering from the University of Minnesota. His area of research is in the field of materials synthesis for nanotechnology.

## University of Kentucky

### Wins Two Supercomputing Awards

**November 2000, Dallas, Texas:** At the [IEEE/ACM SC2000](#) conference on high-performance networking and computing, [The Aggregate](#) research group at the [University of Kentucky](#) was the only group to win two unrelated awards. For its application work, the group was given a Gordon Bell award (Honorable Mention in Price/Performance); for the architecture of the KRAA Z-MP cluster supercomputer, the group received an HPC Games award (Most Innovative Hardware).

For the full article and associated images, visit <http://aggregate.org/press001122.html>

## Presentations

**Dr. Horn S. Tzou**, mechanical engineering, presented three invited seminars during September and October. These are: (1) "Precision Control Of Opto-Piezoelectric-Thermo-Elastic Structronic Shell Systems" CNAM, Paris, FRANCE, September 22, 2000; (2) "Distributed Sensing of Nonlinear Paraboloidal Shells," Ph.D. Colloquium, University of Magdeburg, GERMANY, September 30, 2000; and (3) "Automobile

Applications of Smart Structures and Structronic Systems," Safety Seminar Series, Ford Motor Company, Detroit, Michigan, October 12, 2000.

### **Professional Activities**

**Juanita Graves**, CRMS, has been named to the Board of Directors for the Kentucky Chamber of Commerce Certified Partnership Program.