

## student connections

**Taking HOME Honors:** An affordable housing design by UNM graduate architecture students **Jim Fox**, **Leslie Ford**, and **Marcus Bushong** won top honors from the HOME House Project Competition sponsored by the Southeast Center for Contemporary Arts in Winston-Salem, North Carolina. The design was one of 25 selected from a field of more than 440 entries from seven countries.

**Congratulations:** More than 1,600 students received degrees at UNM's 2003 fall commencement ceremony in University Arena. Of the total degrees, the breakdown was as follows: 1,165 bachelor's degrees; 333 master's degrees; 96 doctorate degrees; five education specialist degrees; 11 juris doctorate degrees; 11 pharmacy doctorate degrees; and five medical doctorate degrees.

<http://www.unm.edu/news/Releases/03-12-10commencement.htm>

**Top Undergrad Paper:** **John Sugg** has been awarded the Best Undergraduate Paper prize from the Southwest Political Science Association for his paper, "The Effectiveness of Gun Control Legislation: A Cross-Sectional Analysis of State Homicide Rates."

## research connections

**Hunting Viruses:** Researchers in the department of chemical and nuclear engineering have developed a portable electrochemical immunosensor that can aid in the early detection of viruses, including hantavirus.

<http://www.unm.edu/news/Releases/03-08-19wilkins.htm>

**Spirited Science:** Psychology professor **Harold Delaney** has received one of 24 research grants for scientific studies on the phenomenon of spiritual transformation through the Metanexus Institute's ground-breaking Spiritual Transformation Scientific Research Program.

<http://www.unm.edu/news/Releases/03-06-20delaney.htm>

**Transforming Research:** Chemistry professor **Debra Dunaway-Mariano** and graduate student Guofeng Zhang teamed up with researchers at Boston University to get the first ever glimpse of a chemical reaction in the process of transforming to the chemical product. The research was recently featured in *Science* magazine.

<http://www.unm.edu/news/Releases/03-07-01dunaway.htm>

**Epilepsy Epicenter:** The Health Sciences Center is one of 18 centers across the country participating in a landmark clinical research study, the Early Randomized Surgical Epilepsy Trial.

<http://hscapp.unm.edu/calendar/output/index.cfm?fuseaction=main.release&EntryID=1791>

**Bosque Business:** The National Science Foundation's Research Experience for Undergraduates program is sponsoring research conducted by the Civil Engineering Department along the Rio Grande bosque. The studies are centered on the historical and cultural value of water, the shifting paradigm of water in the west, river and riparian restoration strategies, sustainability of water resources, and the interdisciplinary nature of water resources engineering.

<http://www.unm.edu/news/Releases/03-07-14nsf.htm>

**Faster and Better:** School of Engineering computing faculty **David A. Bader**, **Patrick Bridges**, **Arthur B. Maccabe** and **Bernard Moret** are collaborating on IBM's Productive, Easy-to-use, Reliable, Computing Systems project to design a supercomputer faster than today's high-end systems. IBM has received

more than \$53 million in funding from the Defense Advanced Research Projects Agency for the second phase of the initiative.

<http://www.unm.edu/news/Releases/03-08-25percs.htm>

**Logic Gates:** **Darko Stefanovic**, assistant professor in the department of computer science received a five-year, \$450,000 National Science Foundation Faculty Early Career Development Award. Stefanovic's research involves recently discovered deoxyribozyme logic gates as a new foundation of decision-making and computational logic networks.

<http://www.unm.edu/news/Releases/03-08-22stefanovic.htm>

**Wired Wise:** The School of Engineering will collaborate on two Information Technology Research (ITR) awards announced today by the National Science Foundation. The grants, totaling more than \$24 million, are two of only eight awarded from an initial field of 70. In the first award, **Bernard Moret** leads the effort to develop computational tools to explore evolutionary relationships among all species of living organisms forming the "Tree of Life." The second award involves professor **Stephanie Forrest** in an investigation titled "Sensitive Information in a Wired World." <http://www.unm.edu/news/Releases/03-09-17ITR.htm>

**Collaborating Continents:** The Consortium of the Americas for Interdisciplinary Science has been awarded a three-year, \$1 million grant by the National Science Foundation for collaboration between United States and Latin American scientists to perform high caliber research in interdisciplinary science.

<http://www.unm.edu/news/Releases/03-09-19kenkre.htm>