

R I B *Research in Brief*

November 14, 2003

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Next Issue: December 5, 2003

Date to Remember

• Thursday, December 4, 8 p.m., Sigma Xi Lecture - Jim Bernard, VRAC, *Human Computer Interface*, Campanile Room, Memorial Union.

New Patent

• To Wai Leung, Ames Lab; Kristen Constant, MSE; Kai-Ming Ho, Phys & Astro; Mihail Sigalas, Ames Lab; Henry Kang and David Cann, MSE; Chang Hwan Kim and Jae Hwang Lee, Phys & Astro; *Fabrication of Photonic Band Gap Materials Using Microtransfer Molded Templates*, Patent No. 6,555,406

Welcome

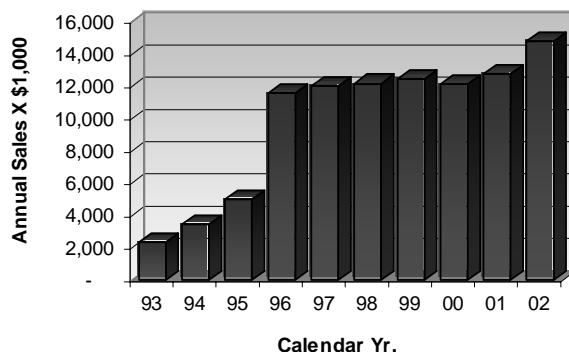
- Monica Lamm, assistant professor of chemical engineering, from the University of Michigan.
- Andrew Hillier, associate professor of chemical engineering, from the University of Virginia.
- Khalid Boushaba, assistant professor of mathematics, from the University of Michigan.
- Ling Long, assistant professor of mathematics, from the Institute for Advanced Study, Princeton.
- Ryan Martin, assistant professor of mathematics, from Carnegie Mellon.
- Eric Weber, assistant professor of mathematics, from the University of Wyoming.
- Petruta Caragea, assistant professor of statistics, from the University of North Carolina, Chapel Hill.
- Song Chen, associate professor of statistics, from the National University of Singapore.
- Michael Larsen, assistant professor of statistics, from the University of Chicago.
- Ranjan Maitra, associate professor of statistics, from the University of Maryland.
- Susan Stewart, assistant professor of sociology, from the University of Richmond.
- Chris Harding, assistant professor of geological and atmospheric sciences, from Shell Oil Co., Bellaire, Tex.

ISU's Tech Transfer Ranked High Nationally

ISU is one of the nation's leading universities in technology transfer accomplishments. In the last AUTM survey, in which 142 U.S. universities participated, ISU tied for 26th place in the number of patents issued, tied for 27th in invention disclosures received, ranked 3rd in licenses and options yielding income and 2nd in the number of licenses and options executed on its intellectual property, even though it was in 49th place in terms of research expenditures.

ISU is ranked third nationally among U.S. universities, after the University of California system (as a whole) and Cornell University, in the number of agriculture biotechnology-related patents issued.

Sales by Iowa Companies Generated by Licensed ISU Technologies



New technologies originating at ISU contribute directly to the economy of Iowa. Technologies licensed to Iowa companies, excluding plant germplasm, resulted in \$14.8 million in sales by those companies in calendar year 2002. Total sales of ISURF-licensed technologies (not including plant germplasm) were \$40.5 million in calendar year 2002.

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Recent Sponsored Funding Awards

- To John McClelland, Ames Lab, *Identification of Inks to Expedite Forensic Analysis Phase II* from the National Institute of Justice, \$200,000
- To Jill Pruetz, Anthro, *Competition for Natural Resources Between Humans and Chimpanzees in Senegal* from the Department of Interior, Fish & Wildlife Service, \$13,900
- To Paddy Ekkekakis, HHP, *Exercise for Mental Health: Does Exercise Make People Feel Better?* from the National Institutes of Health, \$73,000
- To Greg Stenback and Say Kee Ong, CCEE, *Review of Selected FMGP Sites for Potential Monitored Natural Attenuation Applicability* from Alliant Energy, \$26,117
- To Anne Foegen, C&I, *Project AAIMS: Algebra Assessment and Instruction - Meeting Standards* from the Department of Education, \$318,792
- To Tom Shih, AE, *Development and Application of High Efficiency Thermoelectric Materials for Power Generation* from Michigan State University, \$76,839
- To Alan Myers and Martha James, BBMB, and Eve Wurtele, GDCB, *Functional Genomics of Arabidopsis Starch Granule Metabolism* from the National Science Foundation, \$522,000
- To Randy Killorn, Agron, *Efficacy of a Polymer Developed by Georgia-Pacific Corporation as a Nitrogen Fertilizer for Corn Production* from Georgia-Pacific Corporation, \$84,103
- To Doug Jacobson, ECpE, *ISEAGE: Scale Event and Attach Generation Environment* from the Department of Justice, \$496,750
- To Steven Rodermel, GDCB, *Regulation of Chloroplast Biogenesis: The Immutans Mutant of Arabidopsis* from the Department of Energy, \$220,000

Some Research to Directly Benefit the State of Iowa:

- To Lisa Nolan, VMPPM, *Food Safety Risk Assessment* from North Dakota State University, \$177,878
- To Ken Stalder, Tom Baas, John Mabry and Wendy Powers-Schilling, An Sci, *Growth Comparison of Traditional Inorganic Trace Mineral Supplementation to Response of Bioplex Trace Mineral Supplementation in Swine* from Alltech, \$24,000
- To John Miranowski, Econ, *Risk Considerations in Bio-Fuels Investment Decisions: Real Options Analysis* from the USDA, \$36,159
- To Chad Stahl, An Sci, *Development of a Novel Alternative to Antibiotics in Animal Feed* from the Biotechnology Research Development Corporation, \$60,000
- To Ramon Gonzalez and Jackie Shanks, Chem Eng, *Metabolic Engineering of E. Coli Sugar-Utilization Regulatory Systems for the Consumption of Plant Biomass Sugars* from the Department of Energy, \$83,335
- To Monlin Kuo, NREM, *Bonding Wood with Industrial Enzymes* from Prodigene, \$10,000
- To John Verkade, Chem, *Ionic Liquid Efficient and Recyclable Catalyst Systems for Making Biodiesel* from the United Soybean Board, \$51,660
- To Helen Jensen, Econ, James Dickson, An Sci, Catherine Woteki, Ag Admin, *Prioritizing Opportunities to Reduce Foodborne Disease* from the USDA, \$335,684

Funding opportunities may be found at <http://grants-svr.admin.iastate.edu/Funding/homepage.html>

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