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# FLYER NEWS

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## School awarded grants for research

**Tyler Griesenbrock**  
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Two grants with a total value of over \$3 million were given to UD early last month as part of an award that recognized the university's efforts to create practical uses for new research and technology.

The awards, presented by Gov. Robert Taft, are two of the five awarded for 2005 as part of the Third Frontier Wright Project Awards Program.

The grants that accompany the award are part of a project created by Gov. Taft in 2002 to "promote innovation, encourage company formation and create high-paying jobs in the State of Ohio," according to a press release. To date, the program has awarded "more than \$235 million to Ohio-based companies, universities and research organizations," the release said.

The first program that was recognized was a project entitled "Development and Commercialization of Long-wavelength Infrared Focal Plan Arrays." Though the name may be long, it is a project created in collaboration with Essential Research Inc. and CMC Electronics to improve technology used for infrared detection and imaging used in applications such as night vision systems.

Dr. Andrew Sarangan, a member of UD's Electro-Optic Graduate Program, said that the technology may be useful in the aerospace, automotive, military and health-care sectors.

"Currently, manufacturing long-



Courtesy of Public Relations  
Dr. Andrew Sarangan presents his grant-winning project to, among others, Gov. Taft.

wave infrared products is costly and difficult for private companies," Sarangan said. "The Third Frontier grant allows us to create the type of university-industry collaboration necessary to develop the prototype in a research setting where risks are not as high, and then transfer the technology to CMC Electronics when it has matured."

The program is expected to generate about 60 jobs and \$10 to \$15 million by 2008.

For its work, the program received more than \$1 million, according to the press release.

The second program that was presented with this award received an even larger grant, at \$2.1 million.

craft brake pads, thermal management foam, adhesives and molding compounds.

Working with the university on this project, according to the press release, are "Air Force Research Laboratory, NASA Glenn Research Center, Aircraft Braking Systems Inc., Applied Sciences Inc., GE Aircraft Engines, Goodrich Corp., k Technology Corp., GrafTech International, Lockheed Martin and Materials Research Institute, LLC."

By the year 2009, the project is expected to raise \$85 million in revenues and create roughly 300 jobs.

Gov. Taft visited the university to present five of the 2005 awards, which total \$7.5 million for the local projects being honored. The other three presented went to Kettering-based organizations.

The total amount given statewide through the Third Frontier Wright Project Awards program totaled \$10 million this year.

"Ohio's future is in the hands of those who are able to take a great idea, develop it and produce a functional product that can be manufactured and sold throughout the world," said Taft, as quoted in a press release. "I'm pleased to award \$10 million in Third Frontier grants to those organizations that will unlock Ohio's potential and turn concepts into reality, ultimately creating new companies and more jobs for Ohio citizens."

*"Ohio's future is in the hands of those who are able to take a great idea, develop it and produce a functional product ..."*

**Robert Taft**  
Governor of Ohio

This grant went to the "Production of Multifunctional Carbon-based Materials Project." This project seeks to create low-cost carbon composites, which are used in applications such as air-