



Tech Biz



Office of Technology Transfer and Commercialization

Fall Term 2006, Issue 1

Lumidigm Wins Tibbetts Award

Named for Roland Tibbetts, the man credited as founder of the U.S. Small Business Innovation Research (SBIR) program, the Tibbetts Award is given to select small businesses who have demonstrated exceptional innovation on the one hand, with business commercialization results on the other. Lumidigm's Director of Business Development, Dr. Matthew Ennis, credits OTTC with making it possible for Lumidigm to win the award. SBIR has three phases, but only the first two are funded. This often results in promising new technologies



Lumidigm's "Jupiter II" enhanced fingerprint ID system in action.

that never fulfill their commercial potential. The CCAT grant OTTC provided, along with the support Lumidigm received from OTTC people, "enabled us to take our SBIR prototype to the next level," said Dr. Ennis.

Lumidigm's enhanced fingerprint system recently passed an important field test with a major theme park; the firm received \$8.1 million in venture capital funding this past spring.

Busy Summer for OTTC Clients

Since our last regular issue in June, a number of our clients have made important strides. Here are some highlights:

- **GEM Power** has been engaging in a host of demonstration projects. Its most recent completed field tests of its DC-to-DC intelligent battery charger were with the City of San Bernardino Fire Dept. and the CSUSB Police Dept., both of which produced excellent results and agency interest in procurement of production units. Also, GEM Power now has two AC-to-DC units installed with Inland Empire retail chain Stater Bros, where they are being used to recharge industrial equipment.

This material is based upon work supported by the Space and Naval Warfare System Center, San Diego, under Contract No. N66001-06-C-0036. Any opinions, findings and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the Space and Naval Warfare System Center, San Diego.

A local hospital is field-testing one charging unit and one of GEM Power's new prototype analyzers, both modified for use with lead-acid biomedical batteries. A major ambulance service, American Medical Response (AMR), is also field testing one charger and one analyzer unit. Later in the fall, a test will start up with Caltrans, and testing is now underway at GEM Power's laboratory for the Los Angeles County Metropolitan Transportation Authority.

- **Lunar Rocket** has been teamed with Santa Maria, CA-based Space Information Laboratories for a project proposal sponsored by the California Space Authority. Funding is expected to be announced in November. LRRC also successfully completed manufacture of its mobile launching platform, funded by OTTC/CCAT follow-on awards this past January and April.



The LRR Mobile Launcher can accommodate Shadow I and II rocket launches.

- **EndoVention** has received \$1 million in outside investment for its expandable mouth catheter, a breakthrough in removing blood clots.



The ISCA "Zumba" trap emits a scent lure that draws mosquitoes to their doom!

- **ISCA Technologies'** "Zumba" CMT²⁰ mosquito traps are now being sampled to distributors and researchers in several countries for field testing. The trap releases both CO₂ and SkinLure (a patent-pending attractant that mimics the odor of skin) and has generated considerable commercial and public health interest both locally and internationally. ISCA is working with U.S. Army entomologists to beta test these traps (2007) with troops stationed abroad.