

# NEWS RELEASE

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## **Nano-Proprietary, Inc. and Universitaet Stuttgart advance the application of carbon nanotubes for flexible electronics**

**Austin, TX - Stuttgart, Germany June 26, 2008** – The Chair of Display Technology, Universitaet Stuttgart, and Nano-Proprietary, Inc.'s (OTCBB:NNPP) subsidiary Applied Nanotech, Inc. ("ANI") announce significant advancement in the application of carbon nanotubes for the flexible electronics industry. ANI has been performing research and development in collaboration with the Chair of Display Technology, Universitaet Stuttgart to develop high performance carbon nanotube thin film transistors (TFTs) suitable for use in the flexible electronics industry. These devices are at the core of displays, electronic circuits, sensors, memory chips, and other applications that are transitioning from rigid substrates, such as silicon and glass, to flexible substrates. ANI and the Universitaet Stuttgart have worked together to increase the fabrication yield of carbon nanotube TFTs using ANI's proprietary printing-like method of carbon nanotube deposition. The TFTs exceed an on/off ratio of five orders of magnitude and achieve the electron mobility necessary for their utilization for low temperature plastic-based substrates.

At the last Society for Information Display (SID) International Symposium, held in May 2008, the Chair of Display Technology of Universitaet Stuttgart presented the world's first full color active matrix LCD where ITO as transparent conductive film (TCF) was completely replaced by random carbon nanotube (CNTs) networks. The display has a qVGA resolution (320xRGBx240) at 4" diagonal. The CNT networks are deposited by spray coating from suspension, which replaces a costly vacuum process. This demonstrates for the first time the applicability of CNTs as TCF in a state-of-the-art amorphous silicon active matrix process. It also gives a great perspective for future flexible displays, since CNT networks are much more reliable in flexible applications than the amorphous ITO. The complete display, including AM-backplane, color filters, and a dedicated addressing system was developed designed and fabricated at the Universitaet of Stuttgart.

"The collaboration with the Universitaet Stuttgart is very productive. Their expertise and facilities for microelectronic processes are well-known and are very suitable for our need to transition from an idea to a proof of concept," said Dr. Zvi Yaniv, Chief Executive Officer of Applied Nanotech.

"Our cooperation with Applied Nanotech, Inc. is an excellent and very positive experience. Their extensive CNT TFT process know how was instrumental for kick-starting the CNT TFT work in our lab, which is an ideal extension of our pre-existing CNT-TCF efforts." said Prof. Dr.-Ing. Norbert Fruehauf, Chair of Display Technology University of Stuttgart.

## **ABOUT NANO-PROPRIETARY, INC.**

Nano-Proprietary, Inc. is a holding company consisting of two wholly owned operating subsidiaries. Applied Nanotech, Inc. is a premier research and commercialization organization dedicated to developing applications for nanotechnology with an extremely strong position in the fields of electron emission applications from carbon film/nanotubes, sensors, functionalized nanomaterials,

and nanoelectronics. Electronic Billboard Technology, Inc. (EBT) possesses technology related to electronic digitized sign technology. The Companies have over 250 patents or patents pending. Nano-Proprietary's business model is to license its technology to partners that will manufacture and distribute products using the technology. Nano-Proprietary's website is [www.nano-proprietary.com](http://www.nano-proprietary.com).

## **ABOUT CHAIR OF DISPLAY TECHNOLOGY, UNIVERSITAET STUTTGART**

The Chair of Display Technology of Universitaet Stuttgart, Germany is well known as one of the leading Research Laboratories in the field of application oriented technology development of all kinds of flat panel display devices. It maintains a clean room laboratory with a footprint of more than 480m<sup>2</sup> with cleanroom class 10-100 equipped with thin film technology for the development and fabrication of active matrix liquid crystal and OLED displays on up to 400mm x 400mm substrates. The laboratory has more than 17 years of experience in prototyping various kinds of flat panel display technologies including passive and active matrix LCDs and OLEDs on rigid and flexible substrates. In an outstanding track record of joint research cooperations the process and prototype developments have always been focused to the practical needs of industry. The Chair of Display Technology's website is: [www.lfb.uni-stuttgart.de/index.en.html](http://www.lfb.uni-stuttgart.de/index.en.html)

## **SAFE HARBOR STATEMENT**

This press release contains forward-looking statements that involve risks and uncertainties concerning Nano-Proprietary's business, products, and financial results. Actual results may differ materially from the results predicted. More information about potential risk factors that could affect our business, products, and financial results are included in Nano-Proprietary's annual report on Form 10-K for the fiscal year ended December 31, 2007, and in reports subsequently filed by Nano-Proprietary with the Securities and Exchange Commission ("SEC"). All documents are available through the SEC's Electronic Data Gathering Analysis and Retrieval System (EDGAR) at [www.sec.gov](http://www.sec.gov) or from Nano-Proprietary's website listed below. Nano-Proprietary hereby disclaims any obligation to publicly update the information provided above, including forward-looking statements, to reflect subsequent events or circumstances.

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