

Press Contact:

Kathy Bentaieb
Public Relations
Crossbow Technology, Inc.
+1-408-965-3368
kbentaieb@xbow.com

Crossbow Announces 5 Finalists for 2005 Smart Dust Challenge

***\$10,000 Winner to Be Announced at TinyOS Technology Exchange
Feb. 11 at UC-Berkeley***

SAN JOSE, Calif. – Jan. 31, 2005 – Crossbow Technology, Inc. (www.xbow.com), the leading end-to-end solutions supplier in wireless sensor networks and the largest manufacturer of Smart Dust wireless sensors, announced today the five finalists for its 2005 Smart Dust Challenge. The Crossbow Smart Dust Challenge represents the best executable ideas for wireless sensor networking that demonstrate how it is used, programmed and deployed to positively impact society. The \$10,000 grand-prize winner will be announced at the Second International TinyOS Technology Exchange Feb. 11 at the University of Berkeley.

Crossbow has a 10-year history of delivering sensors for applications and industries with the most stringent performance requirements in the harshest of environments. Crossbow's wireless mesh networking products, also known as Smart Dust, are being used to improve agricultural efficiency and growth, monitor and secure industrial plants and buildings, save environmentally sensitive lands, preserve national landmarks, mitigate earthquake and fire damages, and secure and protect the nation's natural resources. Crossbow is also a leading supplier of inertial sensor systems for aviation, land and marine applications and other instrumentation sensors.

The Smart Dust Challenge judges included:

- California State Sen. Debra Bowen, D-Redondo Beach, whose work focuses on giving people tools to protect their privacy and their pocketbook, investing in California's natural resources and its children, and helping people gain access to and make sense of state government.</

The entries were judged on: impact to society; originality of concept; commercial value/benefit to user; ingenuity of bringing concept to deployment; and completeness of demonstration (includes programming, packaging, clarity of presentation, efficiency, and thoroughness of idea and execution).

The five Smart Dust Challenge finalists, in alphabetical order by team leader, are:

- Mat Kotowsky and Hasan Ozer of Northwestern University and Civil Data Systems, Evanston, Ill.
- Dave Parsons of H2Options, Inc., Oakton, Va.
- Derek Slovin, Dr. Murat Alanyali, Dr. Venkatesh Saligrama and Lyndon Pham of Boston University, Boston, Mass.
- Zhen Song, Zhongmin Wang, Pengyu Chen and Anisha Arora of Utah State University, Logan, Utah
- Claude and Brian Wiblin of RadSurvey Systems, Crownsville, Md.

The applications included ideas for using Crossbow's wireless mesh networking sensor Motes for surveillance of the long-term structural health of critical infrastructure components, such as bridges, tunnels, buildings, pipelines, etc. Another team used a Belief Propagation algorithm with the Motes for habitat and environmental monitoring. A third application idea was to merge Crossbow sensor Motes with robotic technology to diffuse contamination and monitoring, such as characterizing and removing poisonous fog. Another finalist used the Motes in a monitoring system to detect and repeat the existence of leaky water fixtures in multi-unit housing complexes. A fifth idea was to use Crossbow wireless Motes to provide new visual aids that show on a map the precise location and level of radioactive contamination.

All of the entries are based on the TinyOS operating system (www.tinyos.net). Crossbow's open architecture is based on TinyOS, which enables highly intelligent multi-sensing devices to dynamically and reliably self-organize to efficiently capture and send detailed physical data anywhere, anytime.

Top 3 Finalists to Present at TinyOS Technology Exchange

Crossbow is holding a two-day Smart Dust training on TinyOS on Feb. 9 and 10, 2005, at its new corporate headquarters in San Jose, Calif. The next day, Feb. 11, the Smart Dust Challenge finalists will present at the Second International

To register for the Crossbow Smart Dust training, please visit

<http://www.xbow.com/Products/productsdetails.aspx?sid=102>. Or e-mail Susan Lee at slee@xbow.com or call her at 408-965-3308.

To register or for more information about the TinyOS Technology Exchange, please visit

<http://www.eecs.berkeley.edu/~culler/tinyos/ttx>.

About Crossbow Technology

Founded in 1995, Crossbow Technology, Inc. is the leading end-to-end solutions supplier in wireless sensor networks and the largest manufacturer of wireless sensor networks. Crossbow has for years been at the forefront of creating and deploying smaller, smarter, wireless sensing devices and mesh networking platforms for large-scale defense, environmental, agricultural, industrial monitoring and control, building automation, security and asset tracking applications.

Crossbow's open architecture, TinyOS-based platform enables highly intelligent multi-sensing devices to dynamically and reliably self-organize to efficiently capture and send detailed physical data anywhere, anytime. Crossbow is also a leading supplier of inertial sensor systems for aviation, land and marine applications and other instrumentation sensors. The company has shipped more than 500,000 of its Smart Dust and other advanced sensors to more than 1,000 customers, including select Fortune 100 and other leading industrial, defense, technology, civil engineering and manufacturing companies. The company's strategic partners include Intel Corporation.

Headquartered in San Jose, Calif., Crossbow has distributors in 24 countries worldwide. The company received its ISO 9001/2000 Certification in May 2002, its FAA Certification for the AHRS500GA in January 2003 and its FCC Certification for the MICAz in October 2004. Contact Crossbow at +1-408-965-3300, e-mail info@xbow.com or visit Crossbow on the Web at <