

NSF Grantees Participating in Eureka Park

[Advanced Science and Automation Corp.](#)

CES Booth: 73105

Contact: Hatem Wasfy, (217) 417-3566, hatem@ascience.com

Demonstration: Features the Virtual Physics Lab (VPL), an online, interactive, virtual-reality-enhanced learning environment for undergraduate university physics.

NSF Award: [0848966](#)

[Audyssey](#)

CES Booth: Audyssey will not have a public booth at CES, but representatives will be present to discuss developments for their technology for improving audio from home, automotive, and smartphone sources.

Contact: Jim Merk, jmerk@audyssey.com

NSF Award: [952915](#). Initial NSF-supported research emerged from the Integrated Media Systems Center NSF ERC at the University of Southern California.

[Barrett Technology, Inc.](#)

CES Booth: 73202

Contact: Rosanne Kramer, rk@barrett.com

Demonstration: Features advanced robotic technology, including the WAM™ (Whole Arm Manipulator) and BH8-series BarrettHand™. Watch the WAM arm in action in this NSF Science Nation [video](#) and learn more in the June 2009 [NSF Current](#).

NSF Awards: [0646448](#), [0823008](#), [1058474](#)

[CVISION Technologies](#)

CES Booth: 73004

Contact: Chris Koulouris, ckoulouris@cvisiontech.com

Demonstration: Features a recognition tool that allows users to conveniently recognize and process documents by simply taking a photo of it with their mobile devices.

NSF Award: [0924549](#)

[Emota.net Inc.](#)

CES Booth: 73103

Contact: Paul To, (650) 433-8612, info@emota.net

Demonstration: Features applications which blend mobile, digital living room, and social networking technologies to help people stay active, healthy, and connected including emota.THINGS, a series of wirelessly connected objects in the living room designed to emotionally engage the user and to create a sense of social connectedness in the living space.

NSF Award: [1058575](#)

[Gamma Dynamics](#)

CES Booth: 73304

Contact: John Rudolph, (513) 221-6700, jrudolph@gammadynamics.net

Demonstration: Features electrofluidic display technology for electronic paper applications with uniquely high brightness and optimal readability in both low and high ambient light settings.

NSF Award: [1058302](#)

[HealthMicro, Inc.](#)

CES Booth: 73005

Contact: Yanni Wang, (408) 429-0922, yanni@hmicro.com

Demonstration: Features disposable wireless physiological sensor patches intended to displace today's wired sensors that tether patients to monitoring equipment.

NSF Award: [0848913](#)

[Innovega, Inc.](#)

CES Booth: 73403

Contact: Randall Sprague, (206) 310 4775, randallsprague@gmail.com

Demonstration: Features unique contact lenses that enable a wearer to see near-to-eye imagery simultaneously with the surrounding environment.

NSF Award: [1057840](#)

[Institute for Disabilities and Research Training, Inc.](#)

CES Booth: 73206

Contact: Corinne Vinopol, (301) 942-4326, corinne@idrt.com

Demonstration: Features technologies to assist people who are deaf or hard of hearing, including the AcceleGlove™, which uses accelerometers to capture the positions and movements of hand gestures, and the Two-way Gesture Translator system that can translate over 25,000 English words and phrases into American Sign Language graphics and videos.

NSF Award: [0944752](#)

[KWJ Engineering Inc.](#)

CES Booth: 73402

Contact: Ed Stetter, (510) 405-5911 x 211, efs@kwjengineering.com

Demonstration: Features screen-printed electrochemical sensors such as a smartphone-based carbon monoxide detector.

NSF Award: [1058563](#)

[LectureTools](#)

CES Booth: 73305

Contact: Rich Boys, (734) 719-1660, richboys@lecturetools.com

Demonstration: Features a soon to be released iPad app that allows students to fully interact with their instructor in class and an iPad tool for instructors that couples wirelessly with the classroom projector.

NSF Award: [1058560](#)

[MEDKEN](#)

CES Booth: 73203

Contact: Anny Chou, (773) 395-2780, anny@medken.com

Demonstration: Features TOUCHTM, a software that melds touchscreen technology with on-screen annotation, allowing a physician to identify regions of interest on radiographs and other images and delivering a diagnostic report.

NSF Award: [1058504](#)

[MiserWare](#)

CES Booth: 73205

Contact: Kirk Cameron, (540) 557-7452, cameron@miserware.com

Demonstration: Features [Granola freeware software](#) that reduces energy waste in computers and is used by more than 300,000 people in more than 160 countries to increase battery life by up to 45 minutes. Read more in the January 2010 [NSF Current](#).

NSF Award: [1026899](#)

[Modular Robotics](#)

CES Booth: 73007

Contact: info@modrobotics.com

Demonstration: Features Cubelets, a robotic toy that people can play with.

NSF Award: [0956809](#)

[Perpetua Power Source Technologies, Inc.](#)

CES Booth: 73502

Contact: Jerry Wiant, jsw@perpetuapower.com

Demonstration: Features a body-heat powered wireless sensor - specifically, a wireless armband device that utilizes body heat to wirelessly send physiological data to a nearby laptop base station.

NSF Award: [058551](#)

[QM Power](#)

CES Booth: 73307

Contact: P.J. Piper, (857) 350-3100, pjpiper@qmpower.com

Demonstration: Features efficient magnetic circuit and controller designs that drive products with higher power density and reliability; run cooler; are much lighter, smaller and lower cost; and operate far more efficiently over a wider power range than conventional AC or DC electric motors, generators and actuators.

NSF Awards: [1046602](#) and [095663](#)

[Quality of Life Technology Center](#)

CES Booth: 3011

Contact: Kristen Sabol, (412) 303-7396, ksabol@cs.cmu.edu

Demonstration: Features prototypes of personal assistive robots, cognitive and behavioral coaching approaches, and human-awareness and driver-assistance technologies. Learn more about the center in the NSF-LiveScience.com [Behind the Scenes](#) feature and [ScienceLives](#) researcher profile of researcher and paralympian Rory Cooper.

Initial NSF Award: [0540865](#)

[Rehabtek LLC](#)

CES Booth: 73504

Contact: Yupeng Ren, (847) 853-8380, yp-ren@rehabtek.com

Demonstration: Features advanced rehabilitation technologies and cost-wise robotic solutions for people with neurological disorders or orthopedic injuries.

NSF Awards: [0750515](#) and [1058612](#)

[scribe](#)

CES Booth: 73407

Contact: Victor Karkar, press@scribe.com

Demonstration: Features a new iPad-optimized HTML5 web app, the first fully featured webpage annotation and online research management system for a tablet. [Press conference](#) will take place on Jan. 10.

NSF Awards: [0810703](#) and [0958266](#)

[Solarmer Energy, Inc.](#)

CES Booth: 73306

Contact: Zheng Xu, Manager of Device Engineering, zhengx@solarmer.com

Demonstration: Features transparent, flexible polymer solar panels, crafted using a low-cost, high-throughput roll to roll process.

NSF Awards: [1009332](#) and [1046857](#)

[Sun Innovations](#)

CES Booth: 73102

Contact: Priti Shah, (510) 651-1329 x 200, priti@sun-innovations.com

Demonstration: Features sun Innovations' transparent electronic display technology. See more in the NSF-LiveScience.com [Research in Action](#) feature and the September 2011 [NSF Current](#).

NSF Awards: [0848519](#) and [0923749](#)

TetraVue

CES Booth: 73404

Contact: Paul Banks, sales@tetravue.com

Demonstration: Features TetraVue's single-lens 3-D camera which captures information about objects in space.

NSF Award: [1058607](#)

Video Semantics

CES Booth: 73104

Contact: Neal Calanni, (443) 995-5159, neal.calanni@videosemantics.com

Demonstration: Features the *mediaAlert* system that automatically segments video streams into contextual segments, making long videos of content such as news broadcasts easily searchable to specific topics.

NSF Award: [1058428](#)

Zienon

CES Booth: 73106

Contact: Susan Fang, susan.fang@zienon.com

Demonstration: Features AirGenie™, a remote input device that makes TV-viewing truly interactive, and AirMove™, which allows consumers to control electronic devices simply by waving their hands. Specifically for smart TV, the duo offers a flexible combo that bridges the transition from the traditional device-based interaction to natural, gesture-based user interface.

NSF Award: [0924574](#)