UNIVERSITY OF ROCHESTER

# THE JAZZTECH 2015 EDITION

## Your Guide to What's Happening at UR Ventures and the University of Rochester

The UR Ventures Technology Review is your monthly look at innovation and technology commercialization at the University of Rochester. This issue focuses on the JazzTech 2015 Conference, held on 25 June 2015. Meliora!

## JazzTech 2015 Highlights Exciting New University Startups

The entrepreneurial spirit is alive and well in Rochester, NY. This fact was clearly demonstrated at the first annual JazzTech event held at the University of Rochester and the City Grill on 25 June 2015. The event was designed to help early-stage companies from Upstate universities and colleges raise awareness with both local and national investors, entrepreneurs, and alumni. Sponsored by UR Ventures and Cranberry Capital, JazzTech 2015 coincided with the Greater Rochester International Jazz Festival and the Cranberry Bog – Cranberry's annual event at which the companies in their portfolio report on progress and share best practices.

JazzTech featured six fledgling companies from the University of Rochester and the Rochester Institute of Technology, allowing them to pitch their stories, plans, and future prospects to potential investors and supporters. It also gave an engaged and enthusiastic audience the opportunity to learn about some of the groundbreaking research taking place in and around Rochester and how that research is being brought to market for the benefit of society. Informational presentations by the six companies were accompanied by lively question-and-answer sessions and opportunities to network with investors and seasoned entrepreneurs.

JazzTech opened with remarks from Robert Clark, Senior Vice President for Research at the University of Rochester, and Scott Catlin, Associate VP for Technology Ventures. The rest of the day consisted of presentations, networking breaks, and a sneak peek at one of the exciting technologies currently under development at the University of Rochester. (See "3-D Volumetric Display About to Become a Reality")

The companies that presented at JazzTech 2015 were: Clear Cove Systems, Clerio Vision, EagleDream Health, Health Care Originals, Telephus Medical, and WavoDyne Therapeutics.

## EagleDream Health Uses Health Analytics to Improve Outcomes

EagleDream Health, Inc. (EDH) is a healthcare software analytics company. EDH provides an innovative solution to analyze data from clinical, financial, and administrative sources and to provide caregivers with the information necessary to make the best-informed decisions for dispensing healthcare services.

The idea of a clinical metrics dashboard was the brainchild of Betty Rabinowitz, MD for use in the Center for Primary Care at the University of Rochester Medical Center. It began by providing real-time clinically relevant

information that could be analyzed in its entirety, or refined and customized for an individual provider.



EagleDream Health

Useful as a clinical tool, the real advantage of this software became apparent when financial and compliance data were integrated and the system began showing results on both the efficiency and quality of care.

EDH licensed the software from Rochester and has continued to improve upon it. As described on their website, it is now a suite of "sophisticated analytic tools for managing value based care, [thereby enabling] organizations to achieve more successful population health management through increased quality of care to patients, reduced costs, and greater patient access and engagement."

This software is truly win-win-win.

It ensures patients are receiving better-optimized and more personal services; physicians can see the results of their efforts over time for a single patient, and benchmark across a region or among a specific population; and administrators can track expenses and compliance to identify waste, reduce risks, and increase returns. The Eagle-Dream Health solution is modular and scalable so that it can serve the needs of an individual care provider, a medical practice, a hospital, or a regional healthcare system. It promises to reduce overall healthcare costs while improving the quality of patient care.

# 3-D Volumetric Display About to Become a Reality

"Help me, Obi-Wan Kenobi. You're my only hope." Everyone is familiar with the iconic scene in Star Wars where R2-D2 delivers a 3-D projection of a desperate Princess Leia. As a culture, we've been exposed to the idea of 3-D projection in science fiction for so long that it may come as a surprise to many to learn that this sort of technology
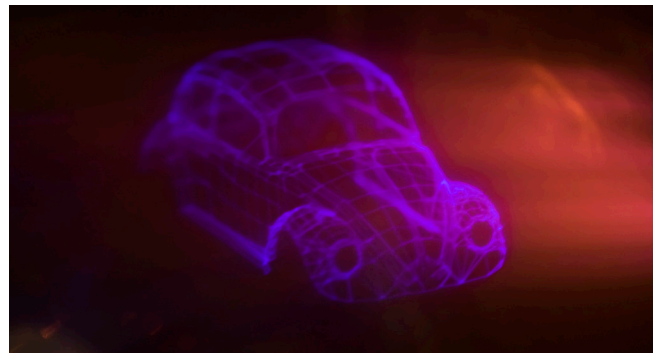
does not actually exist. . . until now.

Curtis Broadbent and John Howell, in the Department of Physics and Astronomy have developed a laser-based volumetric display capable of creating 3-D objects made of light, using pairs of lasers to excite voxels in space. They have been able to demonstrate 3-D images, multiple colors, and animation.

Attendees at JazzTech 2015 were treated to an advanced viewing of a UR3D prototype device. Although difficult to translate to a 2-D photograph, the image renders in perfect 3-D.
The portable prototype is capable of a single color (as shown in the photos) and requires darkness for best results, but ongoing iterations are overcoming these limitations.

Obvious applications for this device include gaming, medical imaging, and other display applications where an actual 3-D image would be desirable.
This technology has advanced greatly due, in part, to an investment from the Technology Development Fund. UR Ventures is actively seeking additional investment or a corporate partner to develop the technology further.

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