Tech Watch: eMersion Gesture Control

By Chester Udell

Don’t just let music move you, move to make music. eMersion is wearable, tiny, wireless sensors that reversibly stick onto your instrument, body, or other objects that translate your performance gestures (including movement, pressure, breath, and orientation) to control audio and visual effects. eMersion is plug-and-play, enabling you to avoid programming, soldering, or circuit design, and get right down to making music with the possibilities of sensing.

For example, while performing rotate your trumpet 45 degrees and you can control effects processing. Add panning to your guitar in real time by sweeping it. Add reverb to your saxophone by leaning back or forward. The combinations are endless, direct and easy to configure. eMotion not only imbues your instrument with the ability to sense, it gives the performer the opportunity to make the instrument a more integral part of the performance.

The software enables you to quickly, visually, and intuitively route your sensor data to control virtually anything on your computer using MIDI, OpenSoundControl, and DMX (lights). The software also emulates keypad and mouse commands, enabling you to control video games, web applications, and virtually anything on your computer using your instrument’s performance gestures.

(Continued on Page 4)
About the Newsletter

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How to Submit Items to the Newsletter

Articles: The Newsletter welcomes submissions of articles to run in future issues. Articles, if accepted, may be edited for length and content. Please include a photo with all submissions if possible (photo may be of author).

Member News + Photos: Please send all member news and activities with a photo. Submitted items may be edited.

Ideas/Suggestions: The Editors welcome any other ideas or suggestions.

Submit to the newsletter via email at: newsletter@societyofcomposers.org
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Joint Membership ($75/year): Same benefits as full members.

Senior Membership ($27.50/year): Open to those 65 years of age or older, or retired. Same benefits as full members.

Associate Membership ($27.50/year): Open to performers and other interested professionals. Receives the SCI Newsletter in electronic form and can participate in national and regional conferences.

Student Membership ($27.50/year): Eligible to submit to national and regional conferences and to vote in society matters. Access to all SCI publications.

Student Chapter Membership ($17.50/year): Same benefits as student members, but only available on campuses having Student Chapters.

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Tech Watch: eMersion Gesture Control
(Continued from Page 1)

A full eMersion Gesture Control system comes with:
1 Fuse: wireless base station and charging dock
1 Twist: Wireless 360° orientation sensor (3x accelerometer, 3x gyro, 3x magnetometer)
1 Accelerate: Wireless tilt sensor with 4 ports to plug in a variety of different sensors to suit your needs
1 SensorPak: a sonar proximity sensor, light sensor, and pressure sensor that plug into the Accelerate

This is a cutting-edge technology four years in the making that has been patented (pending), beta-tested, and is now ready to make its debut to the world.

To produce our debut release, we are offering eMersion hardware and software on kickstarter.com until April 19. Please visit us, see what people from Universities of Florida, Virginia, North Texas, Oregon, and Ball State have already done with eMersion and consider supporting us today:

www.unleashemotion.com

SCItings
Member News and Activities

Performances, Awards, Commissions, Honors, Publications and other Member Activities.

Janice Misurell-Mitchell
Vanishing Points, a CD of music for solo, duo and quartet, was released through Chicago’s Southport Records. It was chosen by reviewer Peter Mar-gasak in the Chicago Reader as one of five new music recordings that were “Our favorite music of 2013”.

Brett L. Wery
Latin Dance Suite for Saxophones,

Four World Variants for clarinet quartet, and a tough and resilient town for flute quartet were premiered January 30, 2014 in the Taylor auditorium of the Schenectady County Community College School of Music by the Chamber Music Project, three high school woodwind quartets made up of students from eight different area schools.

Matt Jaskot
Emanations for piano and marimba and Away From It All for multipercussion duo were premiered by the composer (piano) and three high school woodwind quartets made up of students from eight different area schools.

Kyong Mee Choi
Rippled pond for piano trio was premiered by the Lincoln Trio on February 6, 2014 in Ganz Hall at Roosevelt University in Chicago.

Garth Baxter
The premier of “Is this the cost? The penalty I pay?”, from the opera Lily took place on February 19, 2014 by soprano Katherine Keem and pianist Andrew Stewart as part of Operabelle at The Shakespeare Theatre.

Brandon Goff
On February 26, 2014 Force Quit for electric guitar and piano was premiered at the Performing Arts Center in Florence, South Carolina.