Stanford Laptop Orchestra

The Stanford Laptop Orchestra (SLOrk) is a large-scale, computer-mediated ensemble that explores cutting-edge technology in combination with conventional musical contexts - while radically transforming both. Founded in 2008 by director Ge Wang and students, faculty, and staff at Stanford University's Center for Computer Research in Music and Acoustics (CCRMA), this unique ensemble comprises more than 20 laptops, human performers, controllers, and custom multi-channel speaker arrays designed to provide each computer meta-instrument with its own identity and presence. The orchestra fuses a powerful sea of sound with the immediacy of human music-making, capturing the irreplaceable energy of a live ensemble performance as well as its sonic intimacy and grandeur. At the same time, it leverages the computer's precision, possibilities for new sounds, and potential for fantastical automation to provide a boundary-less sonic canvas on which to experiment with, create, and perform music. Offstage, the ensemble serves as a one-of-a-kind environment and classroom that explores music, computer science, composition, and live performance in a naturally interdisciplinary way.

http://slork.stanford.edu/
http://www.facebook.com/slork
twitter: @slork

Acknowledgments

Stanford Laptop Orchestra (SLOrk)
presents
SLOrk Spring Concert 2014

May 31, 2014, Saturday 7:30 p.m.
Bing Concert Hall, Stanford University

Stanford Laptop Orchestra (SLOrk)

Ensemble
Omar Diab I Aditya Singh I Dan Spaeth I Claire Wu I Hana Shin
Madeline Huberth I Trijeet Mukhopadyay I Andrew Liu
Caleb Rau I TJ Melanson I Noam Ben-Avi I Roshan Vidyashankar
Daniel Noe I Diego Aguilar-Canabal

Ge Wang, **Director**
Spencer Salazar**, Co-director**

Non-Specific Gamelan Taiko Fusion (2005)
Perry Cook and Ge Wang

This piece is an experiment in human controlled, but machine synchronized percussion ensemble performance. Various percussive sounds are temporally positioned by SLOrk members, and the piece gradually transitions from tuned bell timbres to drums as the texture and density grows.

Mosaic (2014)
Daniel Noe

Daniel Noe is a senior studying computer science. He's had a little experience with various musical instruments in the past and is trying to see what oddities he can come up with using a computer. Today, he is presenting Mosaic, a collaborative and visual music-making experience.

BBQ (2014)
Hana Shin

BBQ is an exploration of the English alphabet, and more broadly, the onomatopoeic nature of the language system we use to express ourselves. Sometimes you just feel so SPKCHYA, or RAHWUMPOWCHKU, you know. As words fail, we'll let the music speak and the letters sing.

Degree of Freedom (2014)
Andrew Liu and Claire Wu

Depression, Reborn, Eternal. We tend to explore the dimension of a flowing piece of music.

Cirrus Pattern II (2012)
Spencer Salazar

Rumbling from depths, screeching, flowing from narrow streams to broad pools. Meandering across the sky, the cirrus patterns' fleeting form sunders, splatters to the concrete floor.

Neon (2014)
Ge Wang

it is raining.
  shadows rush past you in an empty street,
   voices echo near and far,
    beneath the neon glow.

On the Farm (2014)
Roshan Vid and Hana Shin

Bubbles (A Rainbow in Hemispheric Air) (2014)
diegOmar

Diego Aguilar and Omar Diab are graduating seniors in the English and Computer Science departments, respectively. This piece is an homage to minimalist composer Terry Riley, exploring repetition and random iteration.

The Samurai (2014)
Noam Ben-Avi

The samurai is a piece inspired by retro side strollers, drum machines, and a samurai movies. The musicians will be controlling drum machines, loopers, and a step sequencer to make sounds that will trigger events in the visualizer, thus the music will tell both an auditory and a visual story of one samurai's stroll through a Forrest.

Soma (2014)
Dan Spaeth, TJ Melanson, and Trijeet Mukhopadhyay

This piece is a stream of consciousness of a man's life as he goes through four phases, birth, love, chaos, death.

Stomp (2014)
Adi Singh and Caleb Rau

Stomp along to the beat! Players select a sound by positioning their arms and stomping a foot pedal. As the piece builds sections of the ensemble join in, adding a variety of new melodies and rhythms. Don't be afraid to get up and dance with us.