DAW Singapore Highlights 2013 – Singapore-ETH Centre

The Innovations Forum takes a novel approach to presenting innovation within the context of a series of events that showcase creative collaboration between art and science, highlighting novel technologies and their use through a hybrid art-science exhibition and a slew of digital performances. The evening’s PechaKucha-like presentations ranging over a diversity of disciplines will astound and spark an interest in all things interdisciplinary. The Innovations Forum takes place at the Singapore-ETH Centre for Global Environmental Sustainability (SEC). The SEC strengthens the capacity of Singapore and Switzerland to research, understand and actively respond to the challenges of global environmental sustainability.

The Innovations Forum includes:

20X20 Series of Presentations

Under the title ‘Innovations Playground’, a select group of creative researchers from the arts, and the sciences, as well as from socio-cultural fields will present their work as part of a PechaKucha-like ‘20by20 Show’ and let passions be shared, idea meet idea, and make new knowledge sparks in an informal setting, bridging disciplines and nurturing future collaboration.

Hybrid Highlights Exhibition

HEBO is a humanoid robot from ETH Zurich and a kinetic sculpture from Com&Com that interprets scenes, allegories and stories from everyday life and the history of art. Next to the robot’s technical achievements, HEBO also philosophizes and gladly interacts the audience.

Genome Scroller is a collaborative work by The Bio Boys in the form of a large-scale, dynamic visualization of the Human genome. Using color-coding, the work conveys the unfathomable amount of data that the genome contains and at the same time reveals to all the few information rich regions known to us while depicting the wealth of the information found in them.

Speech 2 Singing is a personalized singing synthesis machine developed by the Speech Synthesis Team at I2R’s Human Language Technology Department. If you’re a lover of Karaoke but too shy to sing, you’ll enjoy ‘Speech 2 Singing’, where technology equips the computer with the ability to convert a spoken voice into the vocalizations of a professional singer.
Hybrid Highlights Performances

When equation dance--TANGO with Lin Hsin Hsin is a live performance with Singapore's own digital pioneer, Lin Hsin Hsin. This unusual performance “makes equations dance” in a twelve-part thirty-minute digital dance journey through mathematically generated 3D imageries accompanied by digital music in real-time and united choreographically with fingers tapping on an android-based smartphone screen.

Food For Thought... the Future for Fish performance by Léon McCarthy is a form of live-cinema inspired by the 2009 documentary ‘The End of the Line’. The audio-visual performance is interactive and all are invited to write comments during the performance using touchscreens located on either side of the performer. When keywords are tagged in the comments, content “fished out” of the net via search engines appears on the performer's touchscreen as media to remix into the show.

Virtual VJ is a dance music project by media artist Steve Gibson and computer scientist Stefan Müller Arisona that employs motion-tracking technology in order to allow participants to use space as an audio and video performance platform. Virtual VJ unites the role of the DJ and VJ into one interface and enables users to control sound and video with their movements in a hybrid environment between research and a top club venue.