

# Music | MACHINES

50 Years of Music & Technology @MIT

February 5, 2011

All events take place on the 6<sup>th</sup> Floor of the MIT Media Lab

## **Discussions/presentations/panels (9:00am – 5:00 pm)**

*All panelists/speakers are either MIT faculty or current/former students at MIT.*

- 9:00-9:45a **Keynote: Music Technology and MIT**  
Max Mathews ("Father of Computer Music")
- 9:45-10:30a **The Dawn of Digital Music at MIT in the 1960s**  
Prof. Joe Paradiso, moderator; Peter Samson, Wayne Slawson, Chris Strangio
- 10:30-11:00a **Coffee Break**
- 11:00-11:45a **The MIT Experimental Music Studio and Live Computer Performance**  
Barry Vercoe (MIT) and Miller Puckette (UCSD, inventor of MAX/MSP, pd, etc.)
- 11:45-12:30p **Opera, Collaboration, and (Sometimes) Serendipity**  
Prof. Tod Machover and team from *Death and the Powers*, including Ben Bloomberg, Peter Torpey and Elly Jessop
- 12:30-1:00p **The Manual Input Sessions**  
Performance by Golan Levin
- 1:00-2:00p **Lunch Break**
- 2:00-2:45p **Music, Mind and Meaning**  
Prof. Marvin Minsky, in "musical" conversation with Teresa Marrin, Mary Farbood and Mike Hawley
- 3:00-3:45p **Music, Emotion and Health**  
Prof. Tod Machover, moderator; Robert Rowe (NYU), Mary Farbood (NYU), Adam Boulanger (MIT Media Lab), Gottfried Schlaug (Harvard Medical School)
- 4:00-4:45p **From Prototypes to the Populace: MIT spinoffs in music and technology**  
Scott Kirsner, *Boston Globe*, moderator; Eran Egozy (co-founder of Harmonix and co-inventor of *Guitar Hero*), Brian Whitman (Echo Nest), Mark Ethier (iZotope)

## **Informal demos, installations, performances (6:00 – 8:00 pm)**

- Andrew McPherson (Drexel University) – Magnetic Resonator Piano [in E15 Lower Level Atrium]
- Joe Paradiso (MIT Media Lab) Mammoth Modular Synthesizer
- Minsky MUSE Synthesizer (only working model of 1960s automated composition generating machine)
- Rob Morris (MIT Media Lab) – iPhone Guitar
- Harmonix – Rock Band 3 with new Fender Squier and Mustang Guitar Controllers
- Miller Puckette (UCSD) – latest and greatest MAX/MSP and pd extensions/demos
- Adam Boulanger (MIT Media Lab) – Musical Early Detection System for Alzheimer's disease
- Echo Nest demo
- iZotope demo
- Sourcetone demo

## **Concert (8:00 – 10:30 pm)**

- Barry Vercoe – *Synapse (1976)* for amplified viola and prerecorded electronics
- Richard Boulanger/Vercoe – *Synaptogenesis (Synapse remix, 2011)* for live electronics
- Keeril Makan – *Zones d'Accord (2002)* for cello solo (acoustic although based on electronics)
- Peter Whincop – *New Work (2011)* for live electronics
- Evan Ziporyn – *Belle Labs (2006)* for violin, bass clarinet and Heliphon (from Ensemble Robot)
- Robert Rowe – *Cigar Smoke (2004)* for clarinet and interactive electronics
- Mary Farbood – *New Work (2011)* for piano, composed with Hyperscore software
- Tod Machover – *Spheres and Splinters (2010)* for hypercello and interactive visuals

For further information, please contact Simone Ovsey, Associate Producer, *FAST Festival*