

LET'S CHANGE OSC!

WHY?

Ubiquitous hardware lacks ubiquitous software layer for music.

We are approaching a singularity in digital instrument sharing.

Like MIDI, OSC needs standardization across apps and instruments.

OSC v1.0 does not support instrument profiles or zero-configuration.

LET'S TALK!

Please join our mail list! Details at:
mobilesound.org/ubi

Find our paper online:
mobilesound.org/ubi-osc.pdf



HOW?

OSC as Protocol

- exchange of state
- management of services
- header + data
- zero-configuration

OSC as Global Namespace

- exchange data from standardized sources
- retrieve unique vendor-specific data
- support API development
- musical objects

OSC as URL

osc://192.168.1.1:1234/public/sensor/accelerometer

- canonical format for OSC messages
- real-time OSC interpretation and transmission
- depend upon browser implementation of OSC
- independent of development cycle

Nathan Bowen

nbowen@vccd.edu
nb23.com/blog

David Reeder

davidreeder@mobilesound.org
mobilesound.org