

ATAU TANAKA AND DMIS

21M.370

Digital Instrument Design

Ian Hattwick

VOXEL LAB TOMORROW

Music & Art Makerspace

voxel.mit.edu

E38-391

ATAU TANAKA

EMG Based Performance

Sensorband

Goldsmiths, University of London

EARLY INSTRUMENTS

- Theremin
- Ondes Martenot
- Trautonium
- Electronic Sackbut
- [Max Mathews](#) and Music-N & Groove
- Music Mouse!

RELATED FIELDS

- Music Concrète - tape music
- DJs & turntablism
- Electric Guitar: [Jimi Hendrix Star Spangled Banner](#)

MIDI CONTROLLERS

- MIDI keyboards
- Bob Minrzer - EWIs
- MIDI guitar
- Roland D-Beam
- Jean Michel Jarre Laser Harp
- Meta-Instrument
- Radio Baton

HYPER INSTRUMENTS

- Augmented Musical Instruments
- Frances-Marie Uitti HyperCello
- STEIM & CNMAT
- Sarah Nicolls Piano * Nic Collins - trombone-propelled electronics

STUDIO FOR ELECTRO-INSTRUMENTAL MUSIC

STEIM, IRCAM, EMS, CCRMA

- [Michel Waisvisz - Hands](#)
- Joel Ryan
- [Cracklebox](#)
- [Sensorlab](#)
- Bert Bongers
- Edwin van der Heide - the MIDI Controller (Conductor?)
- [The Web](#)

AUDIO AS SENSOR/MATERIAL

- Joel Ryan and Evan Parker (Saxophone)

SURFACE INSTRUMENTS

- [David Wessel Slabs](#)
- [Jeff Snyder Manta](#)
- [Brian Crabtree Monome Grid](#)
- [Linnstrument](#)
- [Roli Seaboard](#)
- [Haken Continuum](#)

FREE SPACE INSTRUMENTS

- Buchla Lighting
- Radio Baton
- Power Glove
- Laetitia Sonami Lady's Glove
- Pamela Z
- [Mimu Glove Imogen Heap] (<https://youtu.be/6HvRvrRhB6g>)

BIOSENSOR BASED INSTRUMENTS

- Alvin Lucier - Music for solo performance
- Atau Tanaka - BioMuse