Some interactive works ('08-'09) - case study of my sketching

Yoichi Nagashima (Ref. NO.1)

(SUAC/ASL)

nagasm@computer.org

Hi sketchers !

Today I will have my presentation in the morning, but I have too much contents to be shown and I got an idea to distribute URLs of some parts of my presentation.
I will pass them in the presentation time.

The "refernce NO." is shown in my Keynote screen by RED characters.
Please check by your computers them, but please watch the screen also carefully. ;-)

NO.1
my profile (linked from Sketching08 page)
http://nagasm.suac.net/ASL/profile/index.html

NO.2
My presentation of Sketching08
Students' Projects (2000–2008)
http://1106.suac.net/PhysiCom/

NO.3
Making of the Special Inefrface (part 1)
(sorry, written in Japanese – but you will enjoy the photos)
Please watch the lower half part of the page.
http://nagasm.suac.net/ASL/Arduino/index.html

NO.4
Making of the Special Inefrface (part 2)
(sorry, written in Japanese – but you will enjoy the photos)
http://1106.suac.net/news2/20080705/index.html

NO.5
"Dodeca Propeller" with Students
(sorry, written in Japanese)
All documents (circuit/source) are opened
http://nagasm.suac.net/ASL/12Propeller/

NO.6 (PDF)
In my class ("Music & Computer Science")
Students' Reports – "Plan for NIME"
(sorry, written in Japanese – but you will enjoy the studenys' ideas)
http://1106.suac.net/macs/2009report2.pdf

Best,

Yoichi Nagashima

Last Year (Sketching08)

Students' Projects (2000–2008) (Ref. NO.2) -

http://1106.suac.net/PhysiCom/

Reports (2008–2009)

- "Nejimaki-Ningen" by Aya Suzuki
- "Dodeca Propeller" with Students
- "Wanna be sushi ASAP" by Yoshie Noguchi
- "4-Mouse I/F" for a Student

Reports (1)

- "Nejimaki-Ningen" by Aya Suzuki
- "Dodeca Propeller" with Students
- "Wanna be sushi ASAP" by Yoshie Noguchi
- "4-Mouse I/F" for a Student

"Nejimaki-Ningen" by Aya Suzuki

(1) Drawing Work

↓

↓

↓

(2) Movie Work

↓

↓

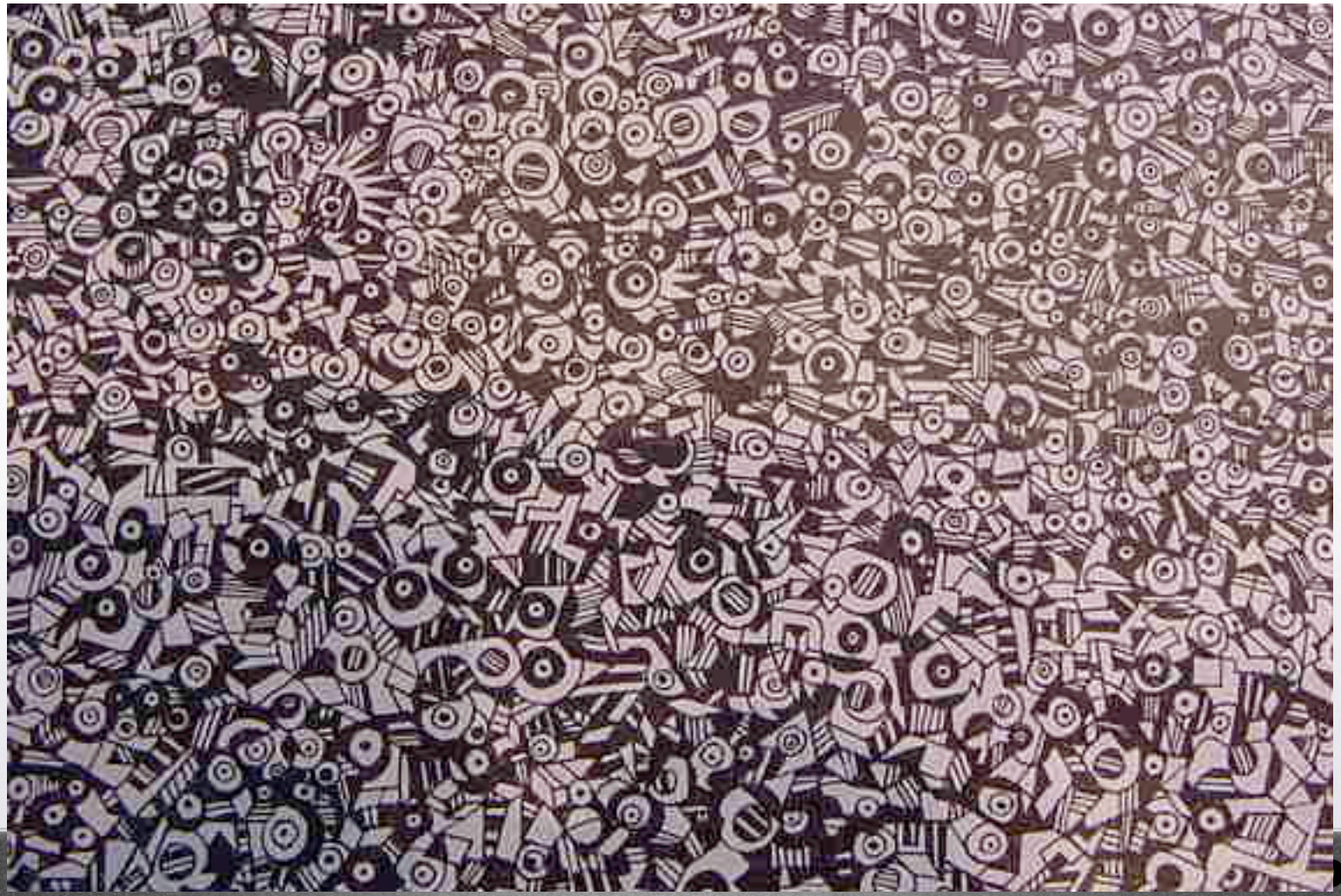
↓

(3) Installation Work ★ Sketching !!

"Nejimaki-Ningen" by Aya Suzuki
(1) Drawing Work

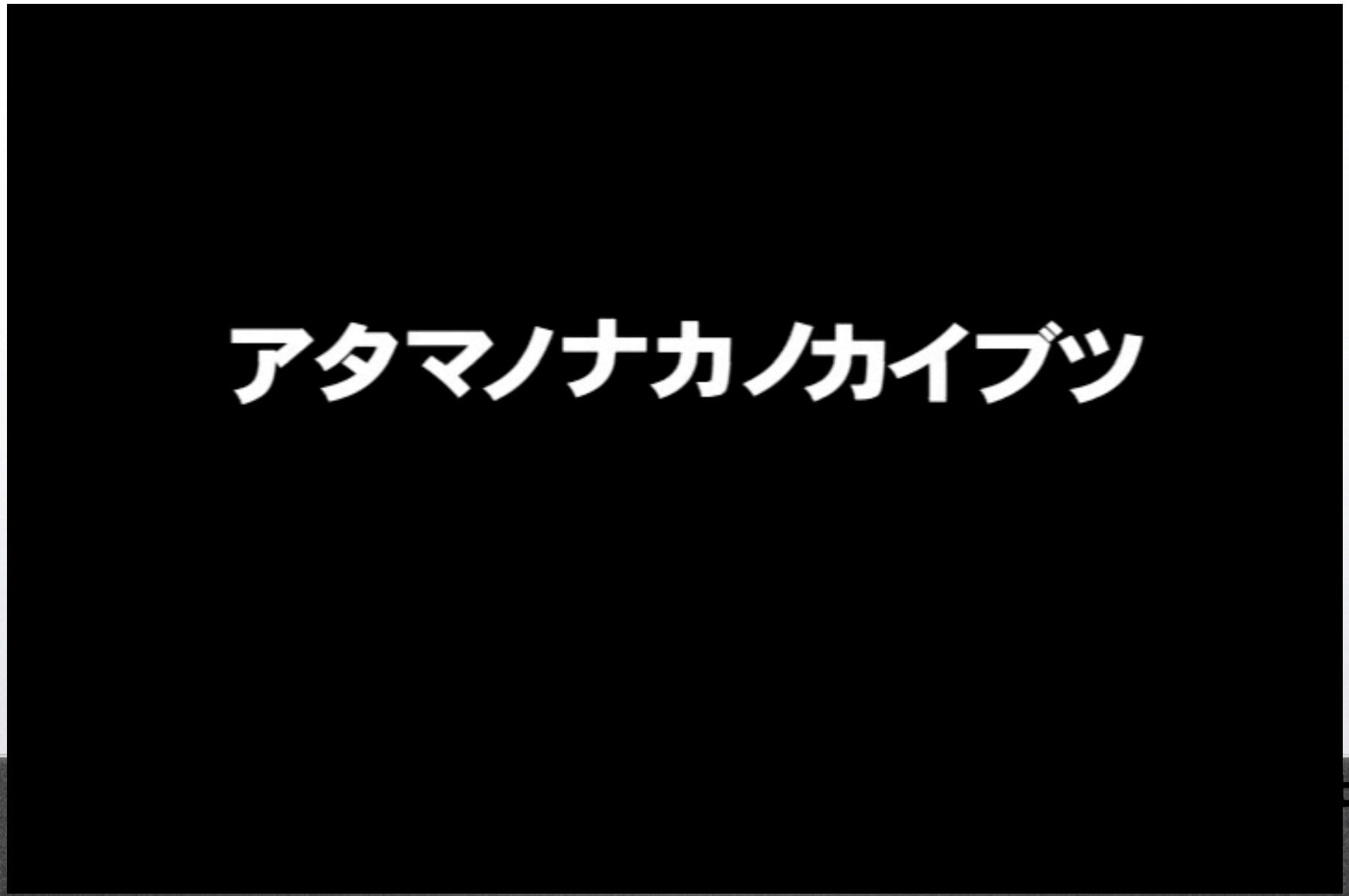
"Nejimaki-Ningen" by Aya Suzuki

(1) Drawing Work



"Nejimaki-Ningen" by Aya Suzuki

(2) Movie Work (90sec digest)

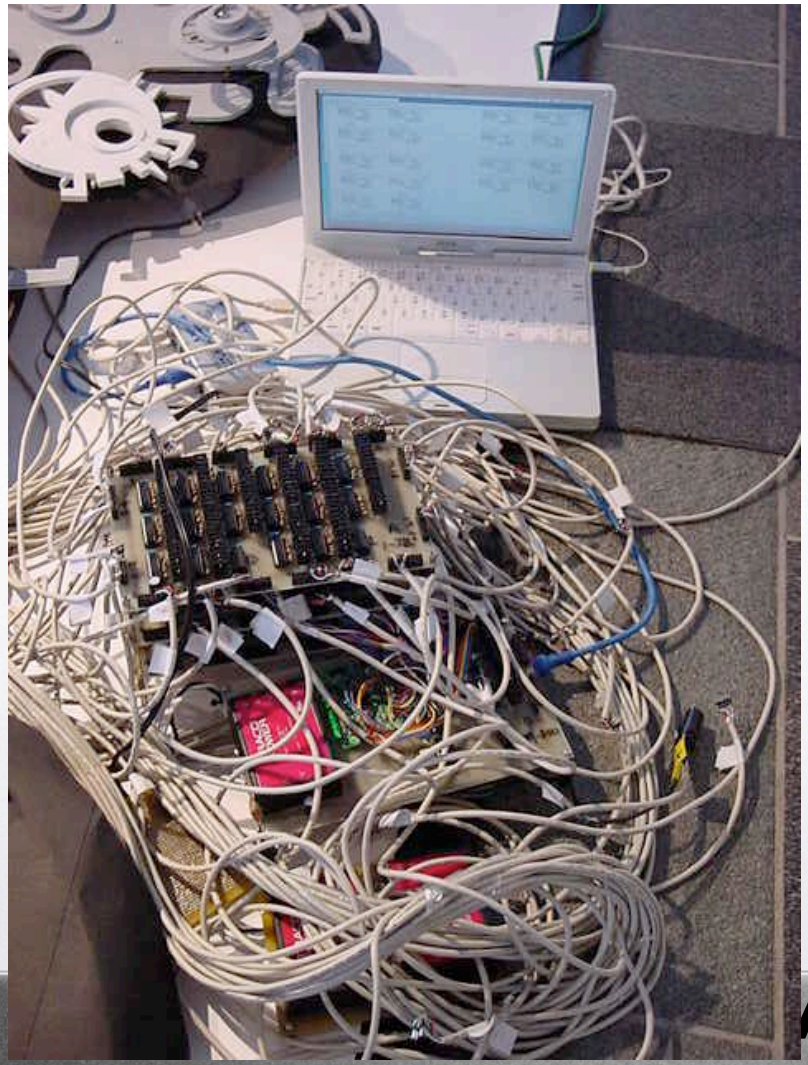


"Nejimaki-Ningen" by Aya Suzuki
(3) Installation Work

"Nejimaki-Ningen" by Aya Suzuki
(3) Installation Work

"Nejimaki-Ningen" by Aya Suzuki

(3) Installation Work ★ Sketching !!



"Nejimaki-Ningen" by Aya Suzuki

(3) Installation Work ★ Sketching !!

Making of the Special Inefrface (Ref. NO.3)

"Nejimaki-Ningen" by Aya Suzuki

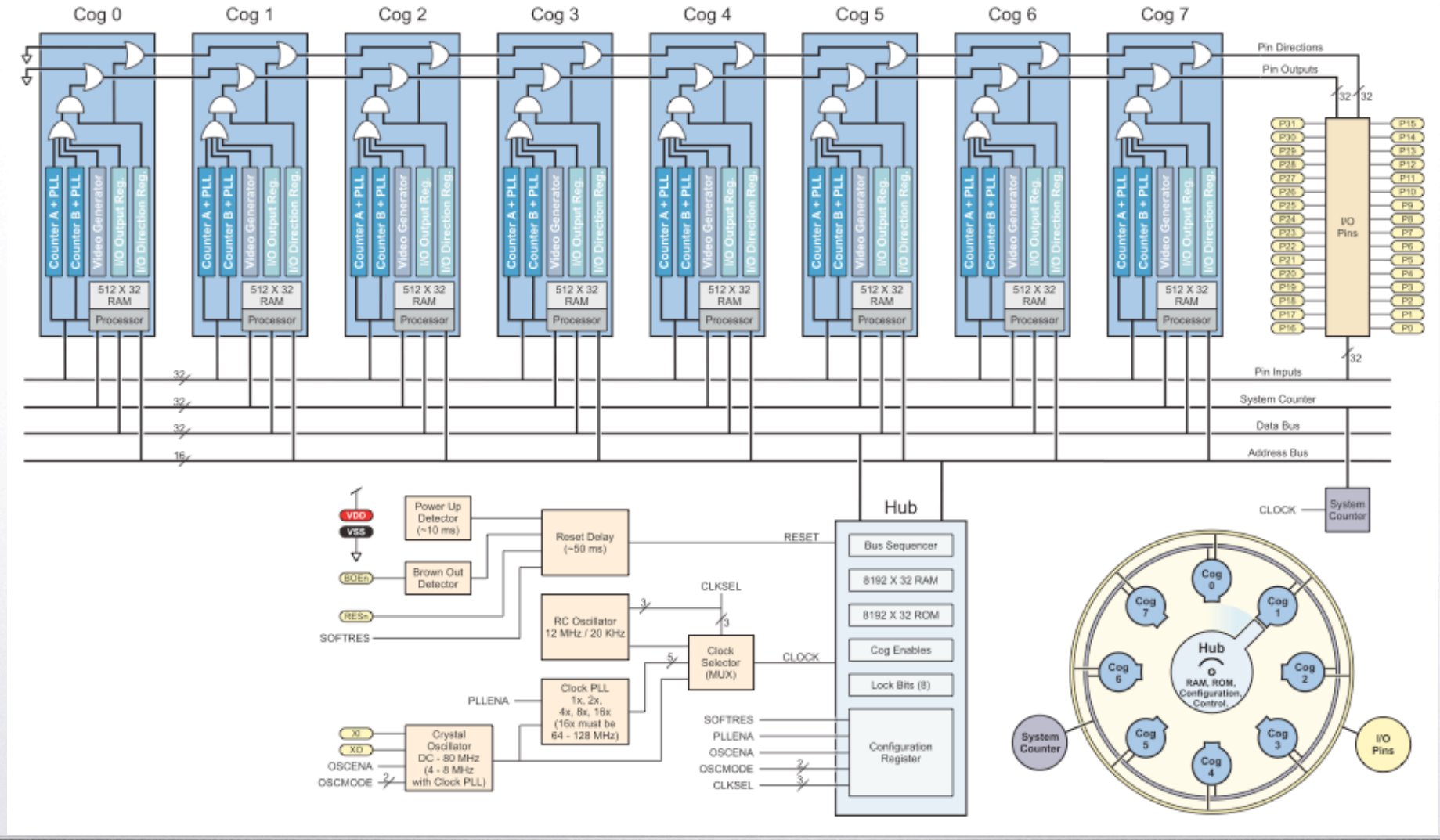
(3) Installation Work ★ Sketching !!

Making of the Special Inefrface (Ref. NO.4)

Reports (2)

- "Nejimaki-Ningen" by Aya Suzuki
- "Dodeca Propeller" with Students
- "Wanna be sushi ASAP" by Yoshie Noguchi
- "4-Mouse I/F" for a Student

Propeller Processor



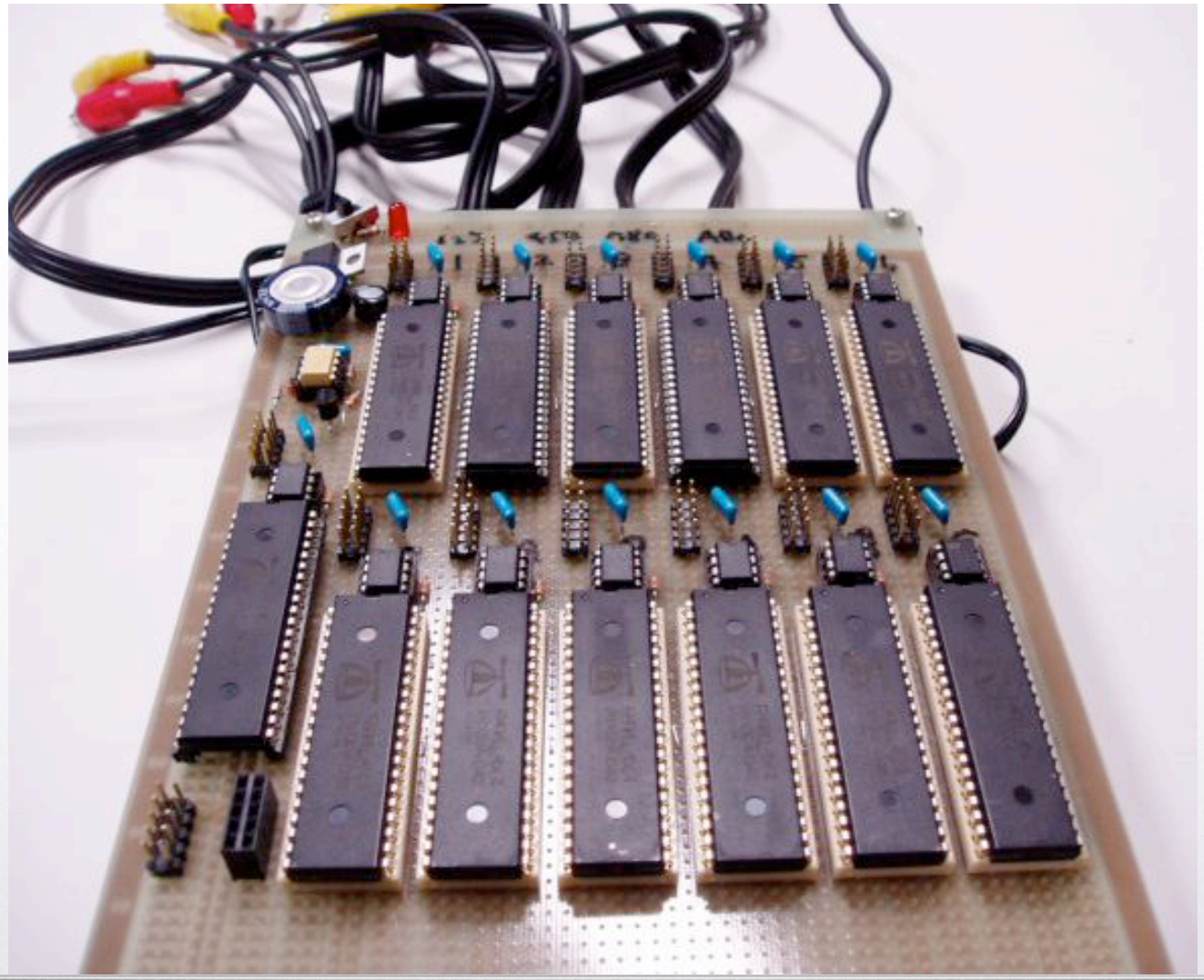
Compare 4 Platforms

- AKI-H8
- Arduino
- GAINER
- Propeller

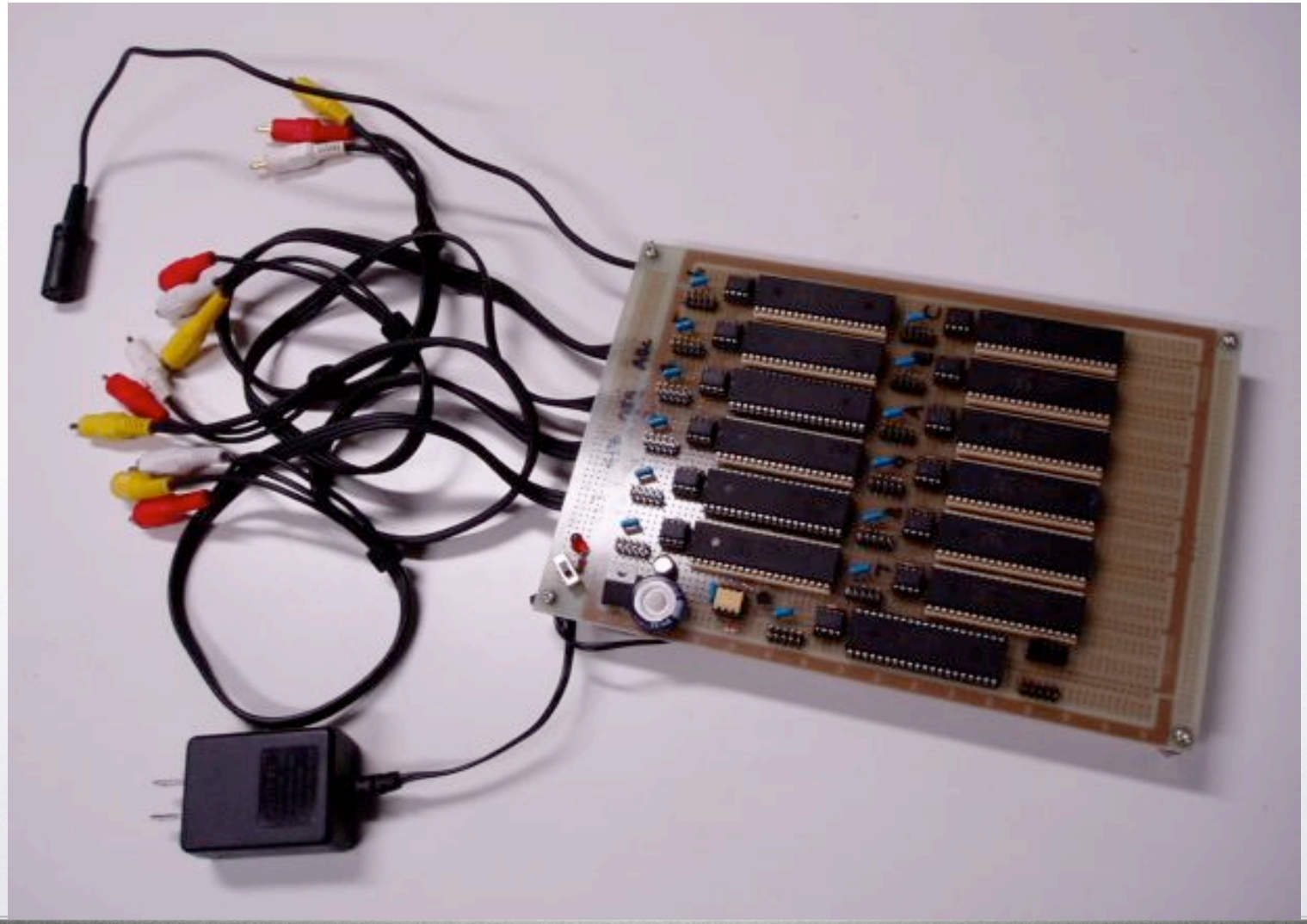
System 項目	AKI-H8	Arduino	GAINER	Propeller
CPU	Hitachi H8/3048 32bits	Atmel ATmega 8bits	Cyperss 8bits CY8C29466	32bits * 8 CPU
clock	16/25 MHz	16 MHz	12 MHz	80 MHz
RAM	4K bytes	1K bytes	2K bytes	32K bytes
EEPROM	128K bytes	16K bytes	32K bytes	32K bytes (external only)
Power Supply	+5V	+5V	+5V	+3.3V
IDE	MS-DOS batch	Processing like	Max/MSP Flash Processing	original IDE
Language	Assmbler C	C	Max/MSP Flash Processing	Spin Assembler
PC interface	RS232	USB	USB	USB
Standalone	○	○	×	○
Serial Ports	2	1	4 (max)	8 (max)
A/D	12bits / 8ch	10bits / 6ch	14bits / 12ch	16bits / 28ch(max)
Audio D/A Out	100KHz 8bits 2ch	6ch PWM	×	44.1KHz 16bits 14ch(max)
Video Out	×	×	×	NTSC/PAL 2ch (max)
Character/Font Table	△	×	×	○
inter process communication	interrupt / polling hand-shake	polling	polling	shared memory polling
fast response	◎ interrupt	×	×	◎ parallel CPU
MIDI Out	○	○	○	○
MIDI In	○	×	×	○

tory

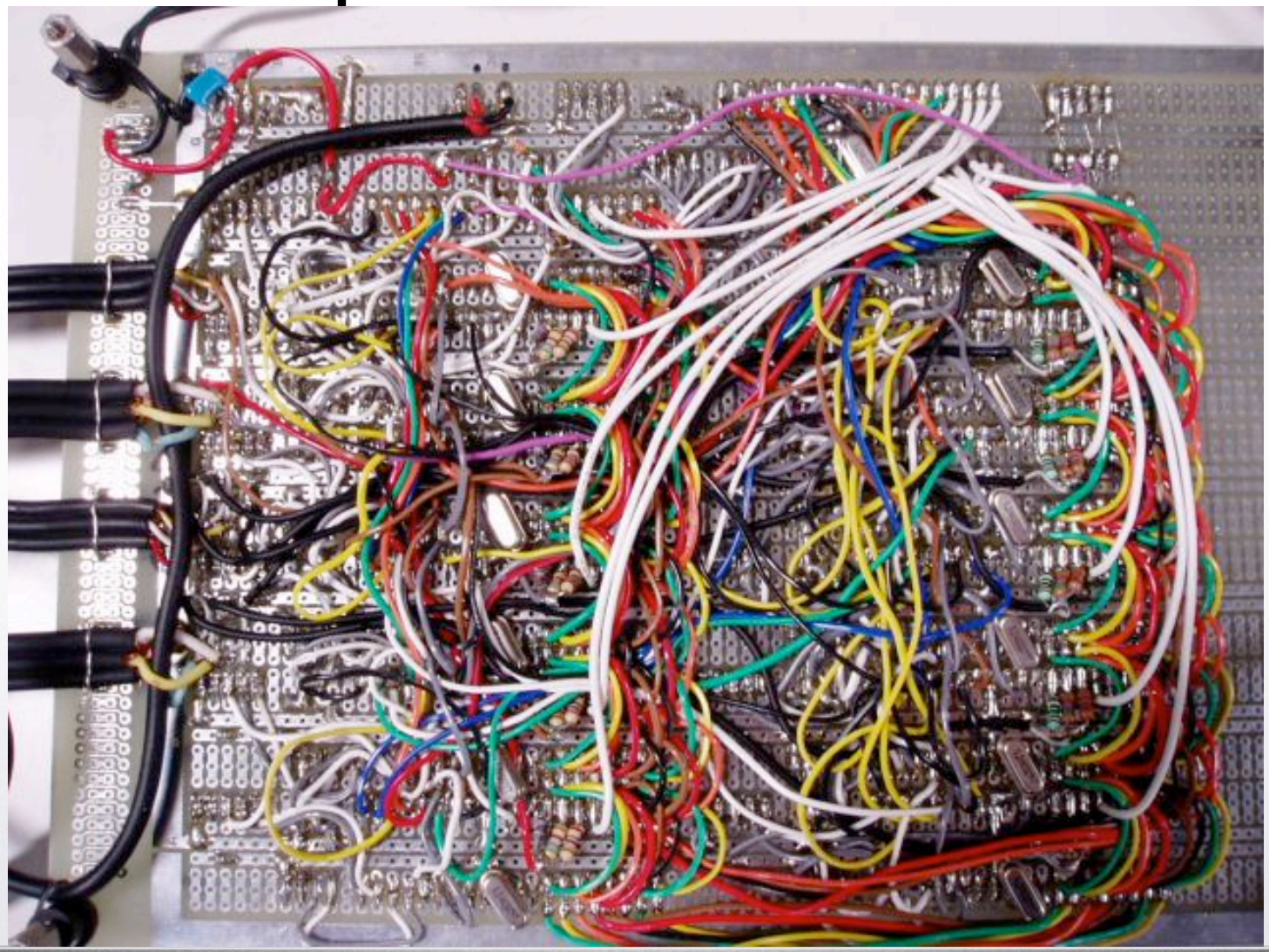
"Dodeca Propeller" with Students



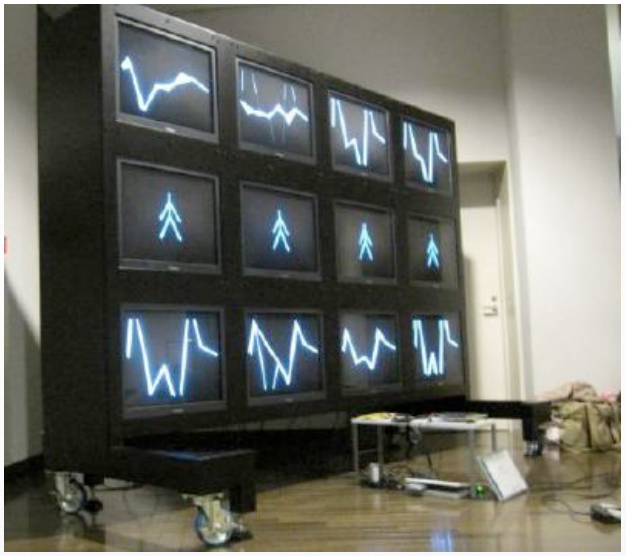
"Dodeca Propeller" with Students



"Dodeca Propeller" with Students



"Dodeca Propeller" with Students



All documents (circuit/source) (Ref. NO.5)

http://nagasm.suac.net/ASL/12Propeller/

Reports (3)

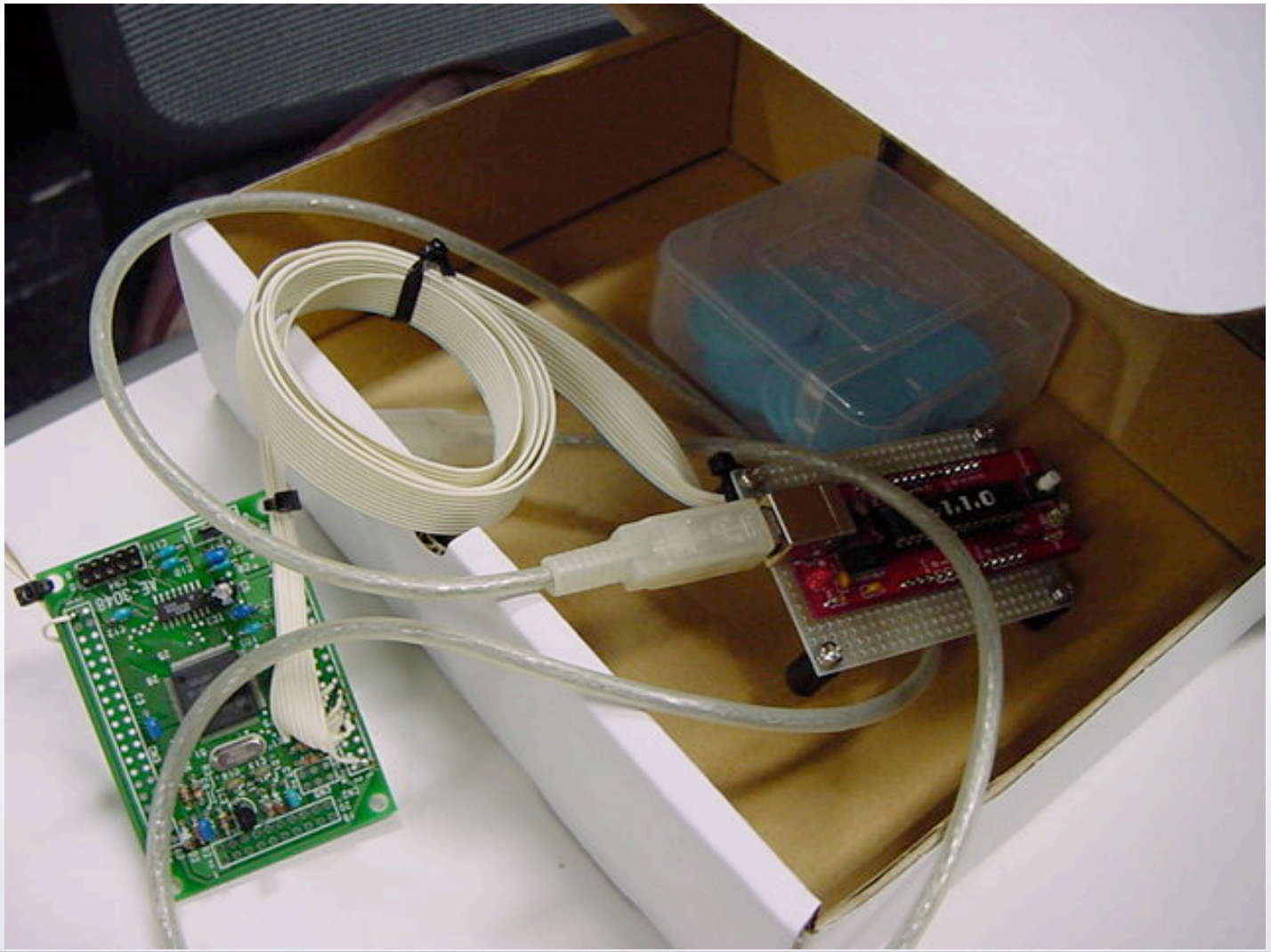
- "Nejimaki-Ningen" by Aya Suzuki
- "Dodeca Propeller" with Students
- "Wanna be sushi ASAP" by Yoshie Noguchi
- "4-Mouse I/F" for a Student

"Wanna be sushi ASAP" by Yoshie Noguchi

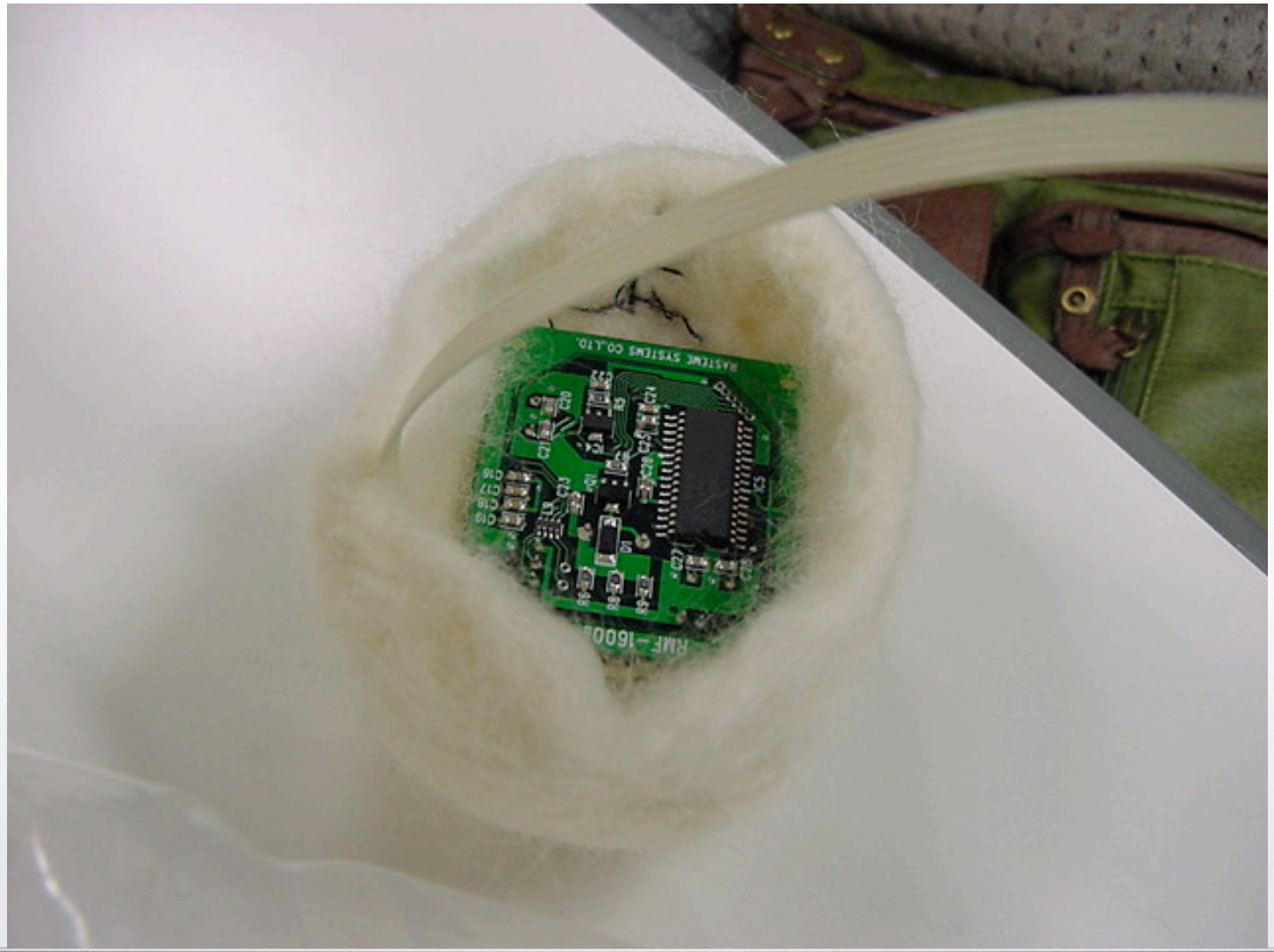
System -

- RFID
- AKI-H8 (Akihabara CPU board)
- GAINER
- Max/MSP/jitter
- Flash (→ QuickTime movie)

"Wanna be sushi ASAP" by Yoshie Noguchi



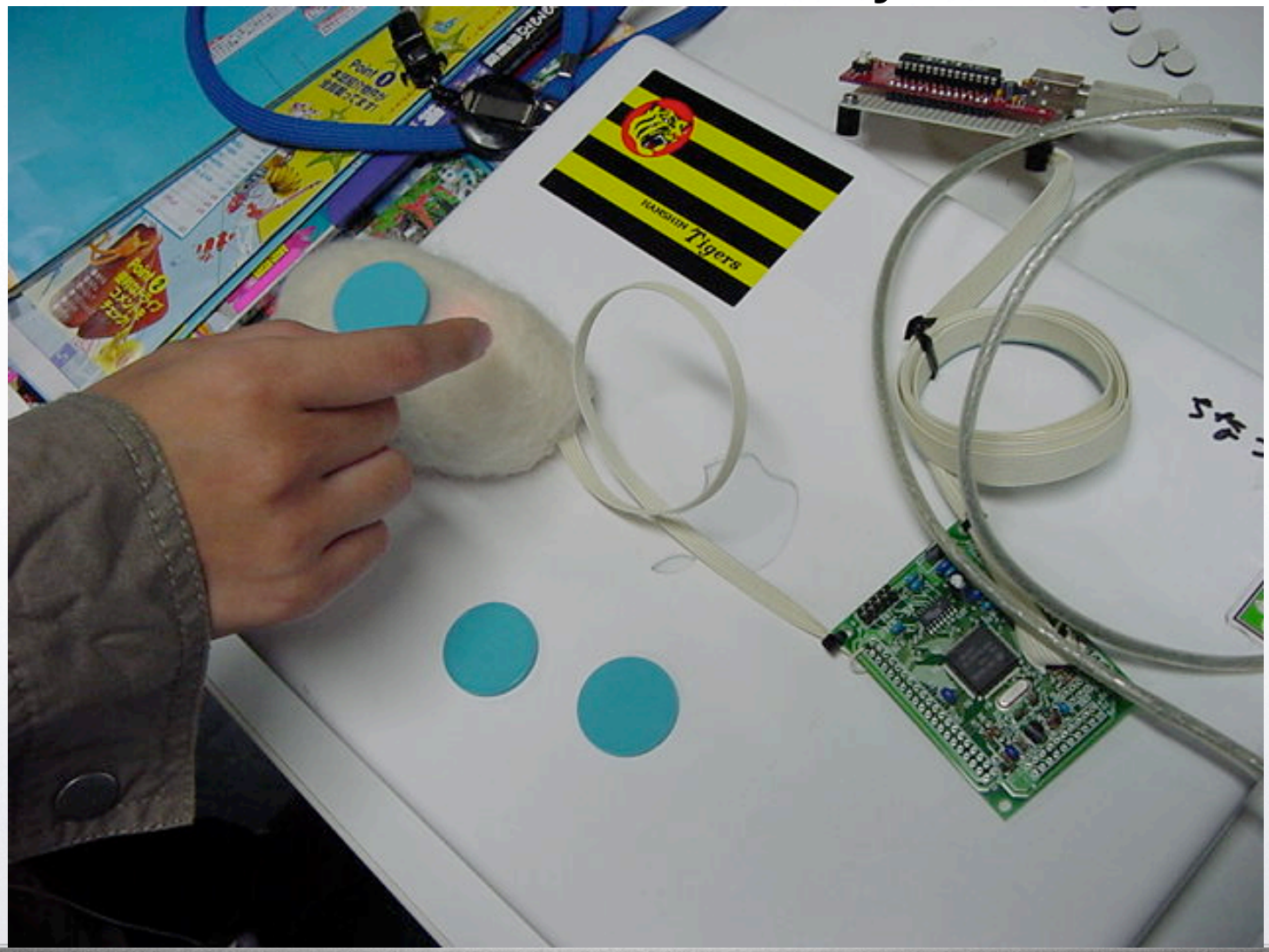
"Wanna be sushi ASAP" by Yoshie Noguchi



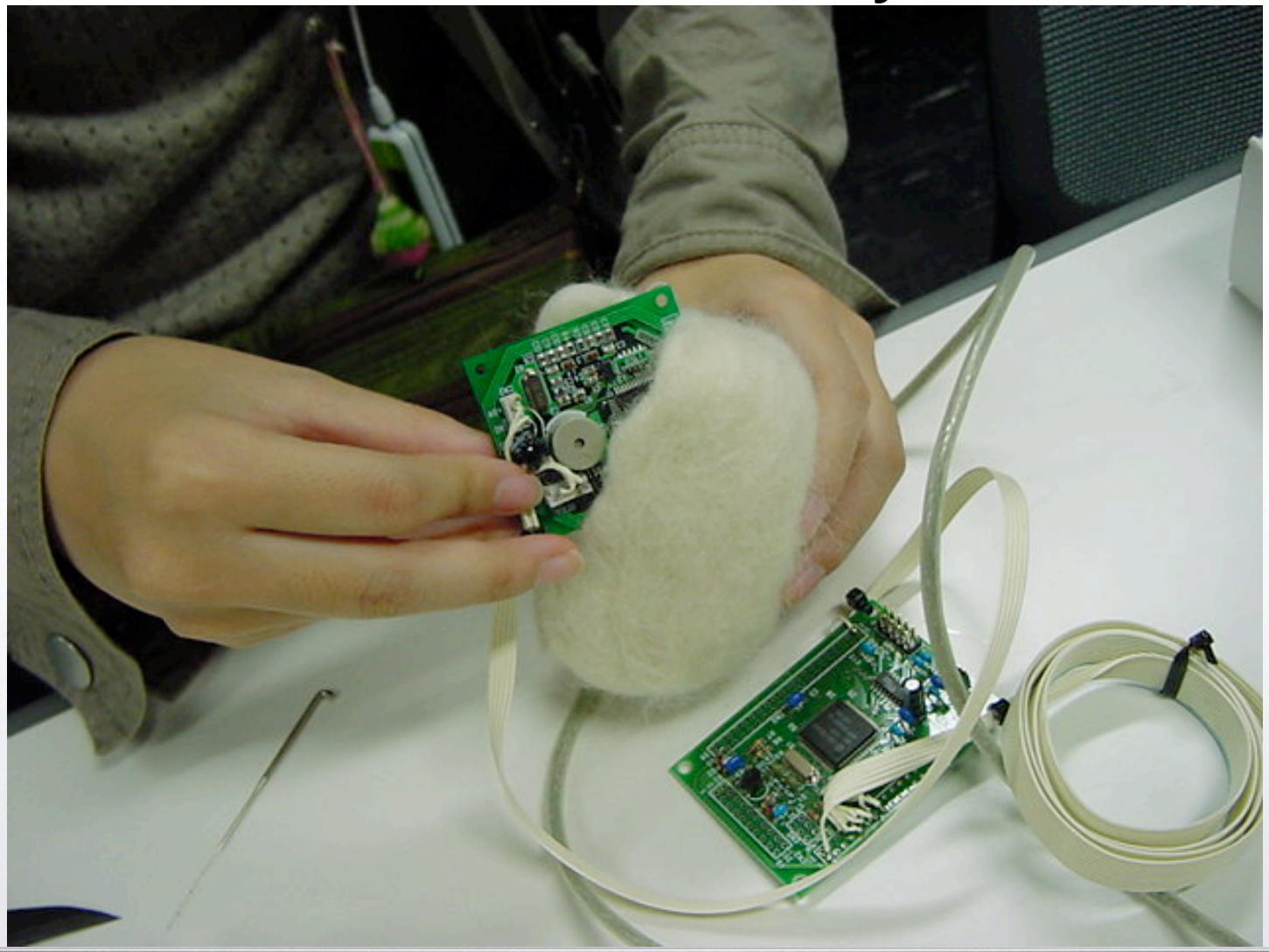
"Wanna be sushi ASAP" by Yoshie Noguchi

"Wanna be sushi ASAP" by Yoshie Noguchi

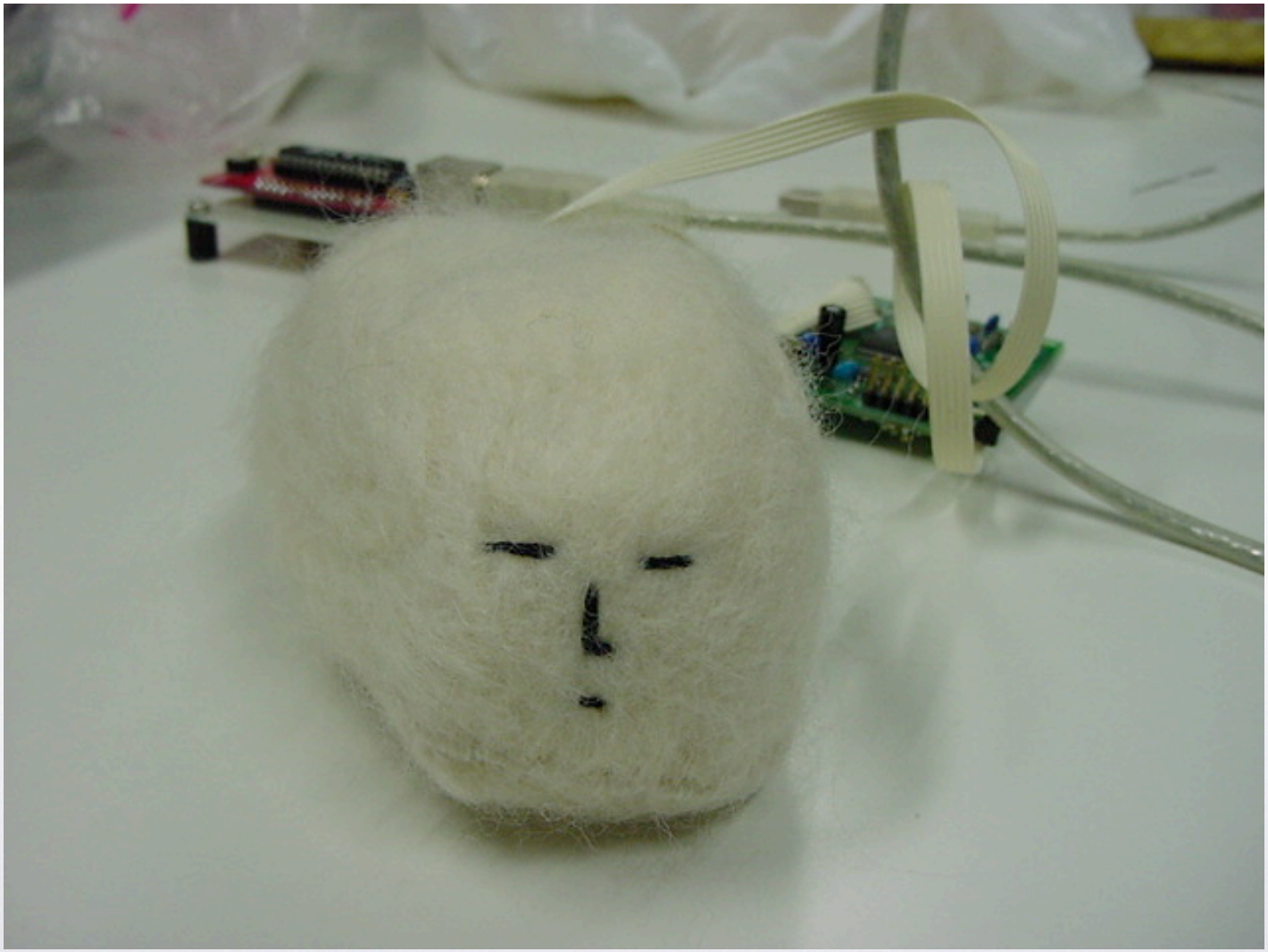
"Wanna be sushi ASAP" by Yoshie Noguchi



"Wanna be sushi ASAP" by Yoshie Noguchi



"Wanna be sushi ASAP" by Yoshie Noguchi



"Wanna be sushi ASAP" by Yoshie Noguchi

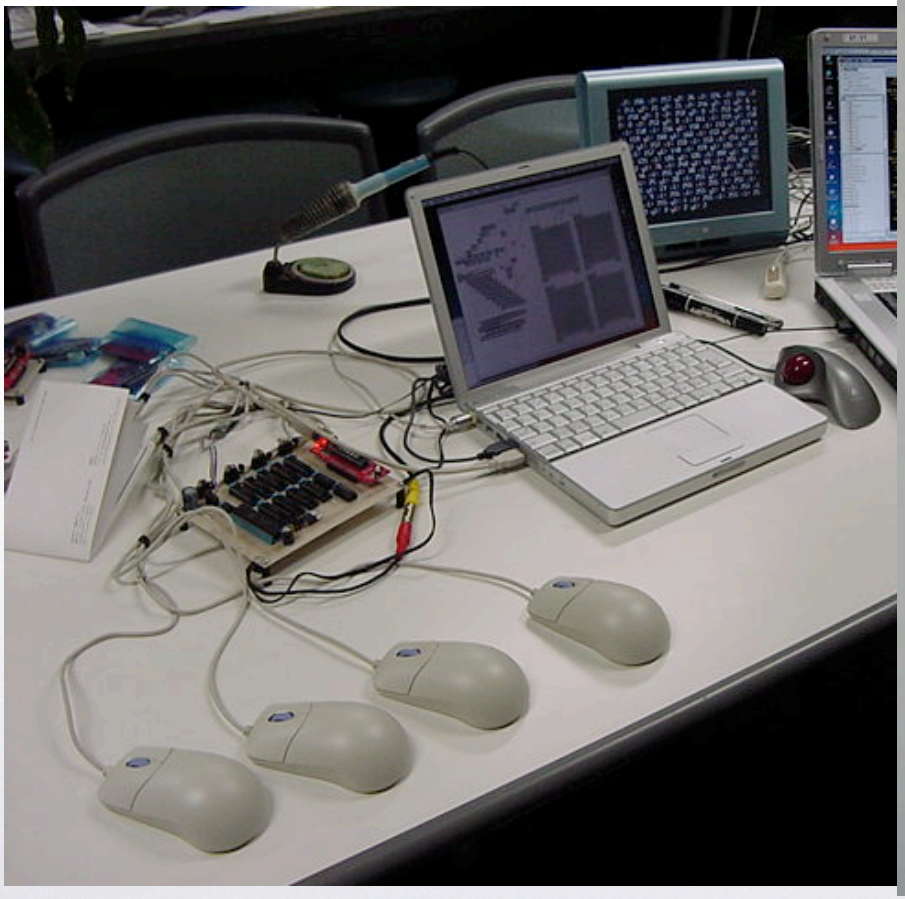
DEMO

(World Premiere)

Reports (4)

- "Nejimaki-Ningen" by Aya Suzuki
- "Dodeca Propeller" with Students
- "Wanna be sushi ASAP" by Yoshie Noguchi
- "4-Mouse I/F" for a Student

"4-Mouse I/F"



New Projects

- Installation in the Elevetor (student)
- New Musical Instrument (1)
- New Musical Instrument (2)
- "Nejimaki-Ningen" Wall

In my class ("Music & Computer Science")

Students' Reports (Ref. NO.6) –

"Plan for NIME"

→ Start for new projects