

2014.2 IAI Meeting

https://docs.google.com/document/d/1hqa8t_KVJ54wfGB6M1FObzdAnrBzxMDNu88dy9Ge0hl/edit

4	Sun Wei Heng	Huang YiFan		
3	Yin Zhi Zie	Wu Rui Han	Wang Hao Qi	
2	Han Yuan Dong			
1	Kurniawan Edwin	고범석	Richard E Sutanto	
1	FuJia	NianZiXuan	LinYuFeng	ShenLiAnZhi

Room u-IT 601 2014.09.11~10.03

Topics	Lecturer	Time	Material Link
Kinect Processing Box2D Live Video Mapping	SWH	2014.09.12 19:00~20:00	https://www.dropbox.com/sh/nfduzl6nsg5f272/AAA7qv75wSOQpblfxYjzrLYpa?dl=0
IR Wall OpenFramework	HWD	2014.09.15 19:00~19:30	https://www.dropbox.com/sh/s2u5rb5dsia34v3/AADZGtp9XMxLIVT2JzUlzjxWa?dl=0
Processing OOP Introduce	Edwin	2014.09.15 19:30~20:00	https://www.dropbox.com/s/4awidl9kzf3120i/Java%20For%20Dummies%2C%205th%20Edition.pdf?dl=0 https://www.dropbox.com/s/gqxwdbf6986a3am/Object%20Oriented%20Programming.pptx?dl=0
Spandex Touch Kinect Max/MSP	HYF	2014.09.17 19:00~19:30	https://drive.google.com/file/d/0B-R_zggFgiRAV2hZSzh3YUdnZGM/edit?usp=sharing https://www.dropbox.com/s/27cri3a6y4uys4r/KACMT_Prototype04_box2D_pro3.rar?dl=0
Kinect Video Mapping Resolume	SWH	2014.09.19 19:00~20:00	https://www.dropbox.com/sh/q61rqqlvdq0wnld/AADoTGT-m5jUn0wvU1Cl1eDYa?dl=0
Soundbody Web App HTML5 Cordova	HWD	2014.09.22 19:00~20:00	https://docs.google.com/presentation/d/1uxwOYnsTMHxGgqksiclpUCmuh3T7oK7djsOWyvBAJ4/edit?usp=sharing
Smart Window Processing	SWH	2014.09.26 19:00~20:00	https://www.dropbox.com/s/yn0do89uaigqab3/smartHome%20paper%20ppt.pdf?dl=0
Leap Motion Processing	HWD	2014.09.29 19:00~19:15	
Arduino Microduino Processing	SWH	2014.09.29 19:15~19:30	
3D Display System SmartPhone	WRH HYF	2014.10.01 19:30~20:00	https://drive.google.com/file/d/0B_jBGgYUFd2cMIJ1anV6ajZfanc/edit?usp=sharing

AR technique introduction			https://drive.google.com/file/d/0B-R_zggFgiRAeUVXeVZxd1FINWM/edit?usp=sharing
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u207.

2014.09.25, 2014.10.02, 2014.10.16, 2014.10.23

NianZiXuan		2014.09.28	https://drive.google.com/file/d/0Byg2G6xpmV5-Q01ZLVhFSHF0UUE/edit?usp=sharing
Shen Lian Zhi		2014.09.28	https://drive.google.com/file/d/0Bw388kMiEVAaQ3pPVmZBNVQyZXc/edit?usp=sharing
Kurniawan Edwin	Body parts segmentation	2014.09.28	https://drive.google.com/file/d/0B5l2jRG6ESAYeWF4VU15Tkk1TFU/edit?usp=sharing
LinYuFeng		2014.09.28	https://drive.google.com/folderview?id=0B96HOCUeqsVTWIRPUW50RDZWQmc&usp=sharing
FuJia		2014.09.28	https://drive.google.com/file/d/0B2zW7Hvjw7s0Y3lhZWxnbjkybUk/view?usp=sharing
고범석	beacon		https://drive.google.com/file/d/0B_iFgk3KqoPKMHVyb3k3SllzdTg/edit?usp=sharing https://drive.google.com/file/d/0B_iFgk3KqoPKVTBCSFJ4SmJvTDQ/view?usp=sharing
Richard Evan Sutoanto		2014.09.28	https://drive.google.com/file/d/0B9VzQCl8b8ERbkNDSngyNDh3NFU/edit?usp=sharing
Han Yuan Dong	Floating Touch using depth camera	2014.10.02	PPTLINK
Sun Wei Heng	User interface design of smart home using kinect interaction	2014.10.23	PPTLINK
Yin Zhi Zie	Immersive user experience of smart miniature world	2014.10.02	PPTLINK
Wang Hao Qi		2014.10.02	PPTLINK
Huang YiFan		2014.09.25	PPTLINK
Wu Rui Han	3D Display System SmartPhone	2014.10.01	https://drive.google.com/file/d/0B_jBGgYUFd2cMIJ1anV6ajZfanc/edit?usp=sharing

2014.9.22

Sun Wei Heng

User interface design of smart home using kinect interaction

[http://en.wikipedia.org/wiki/Metro_\(design_language\)](http://en.wikipedia.org/wiki/Metro_(design_language))

1) Real Screen + Beam Project + Senz3D or Kinect

<http://www.youtube.com/watch?v=leXT2r1bYBY&feature=youtu.be>

2) smartpad

3) transparent display by MIT

<http://www.slashgear.com/mit-shows-off-transparent-display-that-could-lead-to-next-gen-huds-22314041/>

Huang YiFan

AR guide dog bases on GPS uses Android Smartphone

YIN ZHIJIE

https://docs.google.com/presentation/d/1ooNbMvEG5OJVP-KZF0K5n1FJHMD9T0PCxr_uyvftZJQ/edit?usp=sharing

한국멀티미디어학회 2014년도 추계학술발표대회 안내

1. 일 시: 2014년 11월 14일(금) ~ 11월 15일(토)

2. 장 소: 동국대학교 경주캠퍼스

3. 논문마감: 2014년 10월 17일(금)

http://society.kisti.re.kr/~kmttd/recent_news1.php?set_id=30&index=2&start=0&count=10&total=226&board=kmttd&type=br1

After a careful refereeing process, selected papers will be submitted and published on Scopus/ISI indexed journals.

2014.10.01

FuJia 푸가 : MRI_TangibleExperience, Arduino, Leap Motion, ...

LED Cube,

- Arduino : Topic,
<http://www.youtube.com/watch?v=guppB4cK3oU>
- Leap Motion : Topic
- Kinect

ShenLiAnZhi 심연지 : Wake+ Wake2.0

Kinect Processing, ableton live, Resolume

- Leap Motion
- Kinect

Fractal Image ...

LinYuFeng 임우봉 :

- HTML5, Javascript
- Web or Web App
- MYO

NianZiXuan

- Sense of Mirror
- ? using Kinect, Leap Motion, ...

Kurniawan Edwin

- Kinect, VR

Han Yuan Dong

- 3D Segmentation
- HTML5 Web App - soundbody
- Air Touch using Senz3D

고범석

- FBX Animation, SDK
- AMD II OpenCL
- kinect bone tacking,avatar,ui check(unity)

2014.10.06

Multimedia Conference @ Gyungju Nov. 14~15

Huang YiFan,

AR guide dog bases on GPS uses Android Smartphone

Sun Wei Heng,

User interface design of smart home using kinect interaction

Interactive Digital Art on Multi Screen - mix exchange color information

Digital art interactive to get different color pixel of human body on Multi-screen

<http://www.stephanemassey.com/metro-design-principles/>

YIN ZHIJIE

Immersive user experience of smart miniature world

Wu Rui Han

VR Interaction in Real-Time of 3D Display based on Smart Phone

Wang Hao Qi

Leather-silhouette Show with Processing and Arduino

Han Yuan Dong

Interactive Wall or Soundbody -

Paper:

Introduction, Survey other person work, our idea, compare result, further study

Huang YiFan

AR guide dog bases on GPS uses Android Smartphone (updated @20141006)

https://drive.google.com/file/d/0B-R_zggFgiRASzBTN0hzQVQ4T1E/view?usp=sharing

YIN ZHIJIE(updated @20141006)

https://docs.google.com/presentation/d/1ooNbMvEG5OJVP-KZF0K5n1FJHMd9T0PCxr_uyvftZJQ/edit?usp=sharing

2014.10.08

ShenLiAnZhi 심연지 :

<https://drive.google.com/file/d/0Bw388kMiEVAaeDR4eDhPamxtd3M/view?usp=sharing>

2 Kinect, Kinect + Senz#D

FuJia 푸가 :

<https://drive.google.com/file/d/0B2zW7Hvjw7s0MzRydnZ2NVBhQ3c/view?usp=sharing>

MRI_TangibleExperience, Arduino, Leap Motion, ...

<http://www.youtube.com/watch?v=zFM0tzpkgQo&feature=plcp> + Monitor(701)

reActivision swH

<http://reactivision.sourceforge.net/>

LinYuFeng 임우봉 :

- HTML5, Javascript
- Web or Web App
- MYO

NianZiXuan

- Sense of Mirror
- ? using Kinect, Leap Motion, ...

Kurniawan Edwin

- Kinect, VR

Han Yuan Dong

- 3D Segmentation
- HTML5 Web App - soundbody
- Air Touch using Senz3D

고범석

- FBX Animation, SDK
- AMD II OpenCL
- Android Beacon

2014.10.13

Huang Yi Fan 황일범

AR guide dog bases on GPS uses Android Smartphone (updated @20141012)

https://drive.google.com/file/d/0B-R_zggFgiRAc2U5ZHBGMFBIX1U/view?usp=sharing

(google drive can't open the file directly because the PPT file is too large, but this's downloadable.

To read the file directly in explorer, please use the link below)

https://drive.google.com/file/d/0B-R_zggFgiRAeWFiV2gzMHF6MFE/view?usp=sharing

YIN ZHIJIE

http://www.youtube.com/watch?v=Nn3Np6a_3DI&feature=youtu.be

2014.10.15

2014.10.16 IAI ALL

Fu Jia 푸가 :

<https://drive.google.com/file/d/0B2zW7Hvjw7s0MzRydnZ2NVBhQ3c/view?usp=sharing>

MRI_TangibleExperience, Arduino, Leap Motion, ...

<http://www.youtube.com/watch?v=zFM0tzpkgQo&feature=plcp> + Monitor(701)

reActivision swH

<http://reactivision.sourceforge.net/>

<https://drive.google.com/file/d/0B2zW7Hvjw7s0c05rOEN1NXN6dFE/view?usp=sharing>

Nian Zixuan :

<https://docs.google.com/presentation/d/1RY6zYERTqk5SiQHSfXyRaW-P8BalmhnPlu3U-QPXbQA/edit?usp=sharing>

심연지 shenlianzi:

<https://drive.google.com/file/d/0Bw388kMiEVAac0dXaDZ5VkwTg/view?usp=sharing>

Live Video Mapping

https://docs.google.com/presentation/edit?id=1hT35dMtJO8_sNvU8DzaBU9f0oFaQavy0Kh-JNLAJOgY#slide=id.ge7c1e737_063

임우봉 Linyufeng

<https://drive.google.com/file/d/0B96HOCUeqsVTQXI0WUIJZDkzUXM/view?usp=sharing>

Huang Yi Fan 황일범

AR guide dog bases on GPS uses Android Smartphone (updated @20141012)

https://drive.google.com/file/d/0B-R_zggFgiRAVnmNmN0hPSk95VWs/view?usp=sharing

YIN ZHIJIE MY WORK VIDEO

[MINIATURE WORLD TEST](#)

2014.10.20

Huang YiFan

[10.21] introduction to AR (Media Arts Engineering (for undergraduate student)

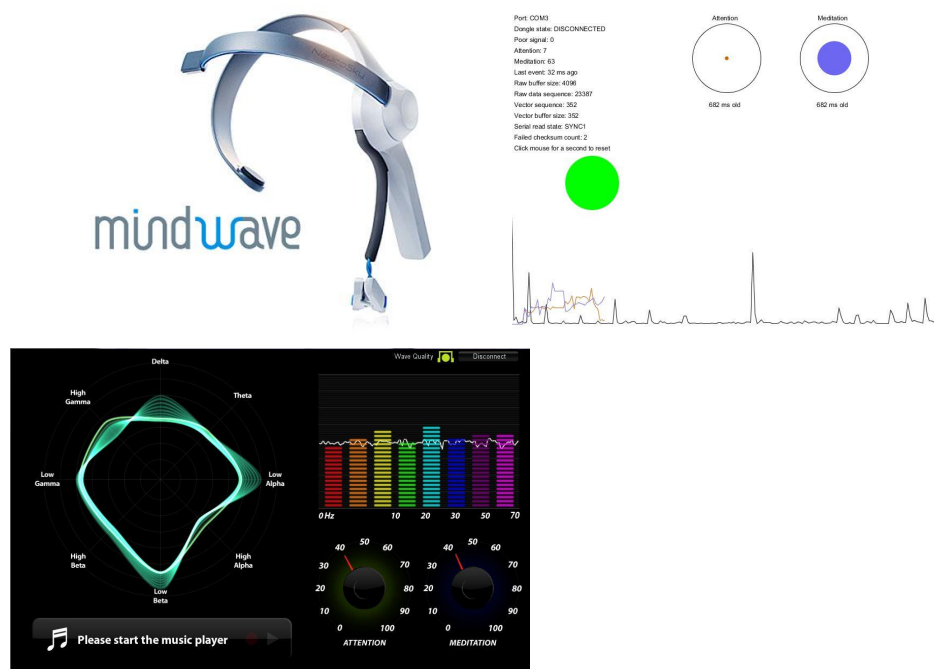
https://drive.google.com/file/d/0B-R_zggFgiRAZVd4SF9uQTh6R0k/view?usp=sharing

2014.10.27

Huang YiFan

MindWave + processing

<http://neurosky.com/products-markets/eeg-biosensors/hardware/>



existing contents:

<http://vimeo.com/86707032> (mindwave+LiveVideoMapping)

<http://vimeo.com/71649138> (mindwave+soundInteraction)

<http://vimeo.com/41703152> (mindwave+visualInteraction)

2014.10.29

Topic

Han Yuan Dong	Air touch with Senz3D	HTML5 with SWH	3D Segmentation	Leap Motion
Kurniawan Edwin	Interactive Screen with Depth Camera			Kinect tuio protocol
FuJia	Mixed Reality Interface			reActivision tuio protocol
NianZiXuan	Minim library for processing			Leap Motion
ShenLiAnZhi 심연지	Wake 2.0	Generative Art Background		Midipad media facade Resolume
LinYuFeng 임우봉	HTML5 WebGL		MYO	microArduino
고범석	Beacon			Beacon
Richard Evan Sutanto				
Yin Zhi Zie	arduino+processing+ar	+alpha		arduino microArduino
Wu Rui Han	stereo vision using smart phone	+alpha		Unity3D+AR
Wang Hao Qi	box2d+leap motion	marionette		Box2D



2 or 3 leap motions + one scene

Unity3D AR/VR Media facade : Resolume Live Video Mapping

Leap motion Arduino microduino IR Camera

Fujia

Mixed Reality Interface

<https://drive.google.com/file/d/0B2zW7Hvjw7s0SXBhOUduMENhNUk/view?usp=sharing>

Shen Lianzhi

GenerativeArt background

https://docs.google.com/presentation/d/1n7NkfS1fvhsNm-m5zdg7isB3ZNk3AwW1YWCPzY-rO8/edit#slide=id.g463f23ba0_06

Nian Zixuan

(For Elise - Music)

https://docs.google.com/presentation/d/1o0uFBaNsXeFB7eUiLkRk_JU8aHMSckb4nlm-wUNUz_o/edit?usp=sharing

Lee Byung Gook

Live Video Mapping [ppt code](#)

2014.11.03

YIN ZHIJIE

https://docs.google.com/presentation/d/1i_JhYJr85eAOpoLy2FKRJKq9hJ3UNLfQbOZQ3aj_Zx8/edit?usp=sharing

http://society.kisti.re.kr/~kmttd/recent_news1.php?set_id=30&index=1&start=0&count=10&total=230&board=kmttd&type=br1

2014.11.05

FU JIA

<https://docs.google.com/presentation/d/1bnb9uPPp4nO4KWcVALZuLoUgL3kT2HmrCL77Q-ero8o/edit?usp=sharing>

ShenLiAnZhi

https://docs.google.com/presentation/d/1hJlqtTcJCxXR971Z_a1AH4hVIOmWj0WAv87oN2UnEc/edit?usp=sharing

2014.11.10

HuangYiFan

https://drive.google.com/file/d/0B-R_zggFgiRAX2w0bEFaYTRWRnc/view?usp=sharing

YIN ZHI JIE

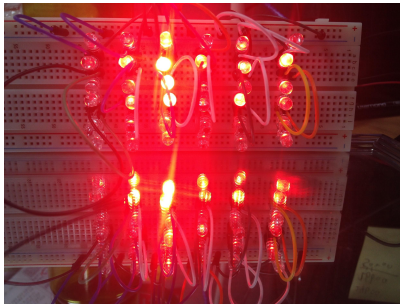
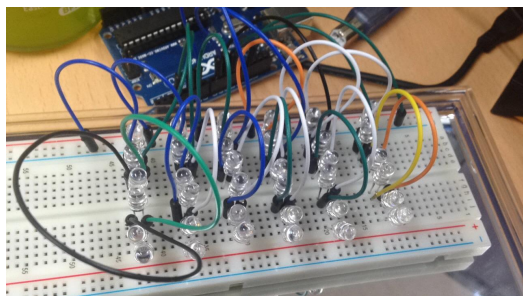
https://drive.google.com/file/d/0B6oc_6sBLbRCZnIVOERudHU5c28/view?usp=sharing

2014.11.17

YIN ZHI JIE

http://www.youtube.com/watch?v=dI_HowMW5U8

http://www.youtube.com/watch?v=vKL_Q7vfkFw Capacitive touch switch



2014.11.19

Nian ZiXuan, Shen LianZhi

https://docs.google.com/presentation/d/1CrXaskUCN_1ch1HhOG0ZSlpDx36bgQqu3Ztezquydpge/dit?usp=sharing

Fujia

Mixed Reality Interface

https://docs.google.com/presentation/d/1eeFgerR8oc4R9yYGwdVyDx16_IzdImiKGizdi1gYl1Q/edit?usp=sharing

Robot Arm + Arduino (Intro)

https://docs.google.com/presentation/d/1O_z6lluSRo6gun04rDd3nX3j2w-Xot0txDsw-lqhVN4/edit?usp=sharing

2015.1.5 HWD

1. **Unity3D Integral Image with Multiple View Rendering**
2. **Air Touch with Senz3D ->Kinect2 : paper**
 - a. **Multi Layer -> B-spline approximation**
 - b. **Layer Calibration**
3. **hibrow.co.kr (전자결재서비스)**
4. **3D Scanner : paper** 학부생
5. **Multi Smart Device Calibration : 공모전** 학부생
6. **Touch Me : Unity3D with Leapmotion : 공모전 LAFA**
 - a. **divide model and control**