

I. Between Image and Material

1-1 Fairy Light in Femtoseconds (2015)

Yoichi Ochiai, Kota Kumagai, Takayuki Hoshi, Jun Rekimoto, Satoshi Hasegawa, Yoshio H a y a s a k i

Femtosecond laser, SLM, galvanometer mirror, objective lens, PC Digital Nature Group

1-2 Glass-beads Display (2017)

Shinnosuke Ando, Kazuki Otao, Yoichi Ochiai, Laser Projector, Retroreflective Material (Glass Beads)

Digital Nature Group

1-3 Gushed Light Field (2016)

Ippei Suzuki, Shuntarou Yoshimitsu, Keisuke Kawahara, Nobutaka Ito, Atsushi Shinoda, Akira Ishii, Takatoshi Yoshida, Yoichi Ochiai Ishii, Takatoshi Yoshida, Yoichi Ochiai, Akira Ishii, Shuntarou Yoshimitsu, Keisuke Kawahara, Nobutaka Ito

Aerosol spray, projector, servo motor, microcomputer, acrylic plate, balsa wood, mirror Digital Nature Group

1-4 Pixie Dust (2014)

Yoichi Ochiai, Takayuki Hoshi, Jun Rekimoto Ultrasonic focusing system, PC, projector Digital Nature Group

2-1 Cross Field Aerial Haptics (2016)

Yoichi Ochiai, Kota Kumagai, Takayuki Hoshi, Satoshi Hasegawa, Yoshio Hayasaki Femtosecond laser, SLM, galvanometer mirror, ultrasonic transducer (PAT)

Digital Nature Group

2-2 Deep Billboards (2022)

Naruya Kondo, So Kuroki, Ryosuke Hyakuta, Yutaka Matsuo, Shixiang Shane Gu, Yoichi Ochiai PC, Camera

Digital Nature Group

2-3 Leaked Light Field from Everyday Material (2016)

Kazuki Takazawa, Kenta Suzuki, Shinji Sakamoto, Keita Kanai, Yoichi Ochiai Everyday materials (wood grain veneer, mirror, leather), displays (iPad, etc.) Digital Nature Group

2-4 Optical Cloaking Display (2019)

Takahito Aoto, Yuta Itoh, Kazuki Otao, Kazuki Takazawa, Yoichi Ochiai DCRA, Miller Digital Nature Group

3-1 Eholo glass (2018)

Chun Wei Ooi, Naoya Muramatsu, Yoichi O c h i a i SLM, Laser, SASHIMI Mirror Digital Nature Group

3-2 Light Field Blender (2017)

Kazuki Otao, Yuta Itoh, Hiroyuki Osone, Kazuki Takazawa, Shinnosuke Kataoka, Yoichi Ochiai

DCRA, LCD, Lens Array

Digital Nature Group

3-3 Holographic Whisper

Yoichi Ochiai, Hoshi Takayuki Ultrasonic focusing device (prototype of Holographic Whisper), PC

Digital Nature Group

3-4 Fundus imaging using DCRA toward large eyebox (2019) Yui

Atarashi, Kazuki Otao, Takahito Aoto, Yoichi Ochiai DCRA, LED, Camera

Digital Nature Group

II Computation and Nature

4-1 Coded Skeleton (2016)

Miyu Iwafune, Taisuke Oshima, Yoichi Ochiai / Miyu Iwafune, Taisuke Oshima, Yoichi Ochiai 3D printer,

Biometal, Microcomputer

Digital Nature Group

4-2 Printed Absorbed (2017)

Kohei Ogawa, Tatsuya Minagawa, Daiki Hasada, Taisuke Oshima, Yoichi Ochiai / Kohei Ogawa, Tatsuya Minagawa, Hiroki Hasada, Taisuke Oshima, Yoichi O c h i a i 3D printer

Digital Nature group

5-1 Calmbots (2016)

Yuga Tsukuda, Daichi Tagami, Maaki Sadasue, Shiryu Suzuki, Toshinori Roh, Yoichi Ochiai / Yuga Tsukuda, Tagami Daichi, Masaaki Sadasue, Shieru Suzuki, Jun-Li Lu, Yoichi Ochiai

Various electronic components, microcomputers, PCs, cockroaches, cameras, 3DPrinter Digital Nature Group

5-2 Cicada-Canon (2018)

Yuga Tsukuda, Naoto Nishida, Ippei Suzuki, Toshitoshi Roh, Yoichi Ochiai / Yuga Tsukuda, Naoto Nishida, Ippei Suzuki, Jun-Li Lu, Yoichi Ochiai Amplifier, Speaker, Semi, P C

Digital Nature Group

5-3 kuchibashi (2022)

Takahito Murakami, Maya Torii, Xanat Vargas Meza, Yoichi Ochiai 3D Printing, Resin

Digital Nature Group

5-4 Silk Print (2017)

Riku Iwasaki, Yuta Sato, Kenta Suzuki, Ippei Suzuki, Atsushi Shinoda, Yoichi Ochiai Silkworm, 3D printer

Digital Nature Group

6-1 A Preliminary Study for Identification of Additive Manufactured Objects with Transmitted Images (2020)

Kenta Yamamoto, R y o t a Kawamura, Kazuki Takazawa, Hiroyuki Ohson, Yoichi Ochiai Kawamura, Kazuki Takazawa, Hiroyuki Osone, Yoichi Ochiai 3D printer, infrared camera, infrared light source, DCRA, PC

Digital Nature Group

6-2 Haptic Vertigo (2022)

Shieru Suzuki, Kazuya Izumi, Ryosei Kojima, Kazuma Aoyama, Bektur Ryskeldiev, Yoichi O c h i a i

Various electronic components, microcomputers, PCs, FDM 3D printers, speakers, motion capture systems, amplifiers

Digital Nature Group

6-3 Optical Marionetto (2016)

Akira Ishii, Ippei Suzuki, Shinji Sakamoto, Keita Kanai, Kazuki Takazawa, Hiraku Doi, Yoichi Ochiai

HMD, binocular

camera, PC Digital Nature Group

6-4 Haptic Marionette (2017)

Mose Sakashita, Yuta Sato, Ayaka Ebisu, Keisuke Kawahara, Satoshi Hashizume, Naoya Muramatsu, Yoichi Ochiai
EMS, Arduino, Wristband
Digital Nature Group

6-5 TeraFoil (2021)

Kenta Yamamoto, Kosaku Namikawa, Yoichi Ochiai
Inkjet printer, silver foil, iron, terahertz sensor, terahertz light source, XY plotter
Digital Nature Group

III New Natural Folk Art

7-1 Computational Alternative Photographic Process

Chinatsu Ozawa, Kenta Yamamoto, Kazuya Izumi, Yoichi Ochiai
Paper, PC, photosensitizer, brush, glass plate, exposure machine, OHP sheet, inkjet printer
Digital Nature Group

7-2 Drone Badminton

Masaaki Sadasue, Tatsuya Minagawa, Kengo Tanaka, Ryogo Niwa, Tatsuki Fushimi, Sayan Sarcar, Yoichi Ochiai
Masaaki Sadasue, Tatsuya Minagawa, Kengo Tanaka, Ryogo Niwa
Microcontroller, distance sensor, drone, titanium frame, nylon, SLS3D printer
Digital Nature Group

7-3 Human Coded Orchestra

Yuzu Saijo, Kenta Suzuki, Nobutaka Ito, Amy Koike, Yoichi Ochiai
Directional speaker, Max/MSP,
PC
Digital Nature Group

7-4 Photographic Lighting Design with Photographer-in-the-Loop Bayesian Optimization (2022)

Kenta Yamamoto, Yuki Koyama, Yoichi Ochiai
Robotic arm, pen tab, PC
Digital Nature Group

8-1 Design Method of Digitally Fabricated Spring Glass Pen (2018)

Kohei Ogawa, Kengo Tanaka, Tatsuya Minagawa, Yoichi Ochiai
3D printer
Digital Nature Group

8-2 Goshuin 2.0: Construction of the World's Largest Goshuin Dataset and Automatic Generation System of Goshuin with Neural Style Transfer (2021)

Hidema Shimizu, Tatsuya Minagawa, James Harry Morris, Xanat Vargas Meza, Yoichi Ochiai / Shuma
Shimizu, Tatsuya Minagawa, James Harry Morris, Xanat Vargas Meza, Yoichi Ochiai
Red Seal, Scanner, PC
Digital Nature Group

8-3 Vaginal pressure devices (2021)

Maya Torii, Takahito Murakami, Xanat Vargas Meza, Yoichi Ochiai / Maya Torii, Takahito Murakami, Xanat Vargas Meza, Yoichi Ochiai
Microcontroller, barometric (pressure) sensor, silicon, 3D printer
Digital Nature Group

8-4 Exquisite Corpus

Its purpose is to reveal the potential of the body in order to represent the body in all its fullness. Algorithmic fusion of the body's interior into a 3D human chimera reveals the identity. Biometric data is collected and hybrid avatars are constructed from actual patient data.

9-1 HaptStarter (2020)

Akitoshi Shitara, Miki Ikutame, Sayan Sarcar, Yoichi Ochiai, Yuuki Shiraishi
Akihisa Shitara, Miki Namatame, Sayan Sarcar, Yoichi Ochiai, Yuhki Shiraishi
3D printer, microcontroller, load cell, operational amplifier, transistor array, PC, rubber sheet, starting block
Digital Nature Group

9-2 OkanWatch (2020)

Akihisa Shitara, Ryo Iijima, Tatsuya Minagawa, Yoichi Ochiai
iPhone, Apple Watch, PC
xDiversity, Digital Nature Group

9-3 Ontenna (2019)

Fujitsu Limited. xDiversity

9-4 Eye Tracking Systems for Communication Support (2022)

Kazuya Izumi, Shieru Suzuki, Yoichi Ochiai
Eye tracker, monitor, web camera, aluminum frame, FDM filament, acrylic plate, stepping motor, servo motor
Digital Nature Group

9-5 Othon Glass (2021)

Kazuya Izumi, Shieru Suzuki, Yoichi Ochiai
Eye tracker, monitor, web camera, aluminum frame, FDM filament, acrylic plate, stepping motor, servo motor
Digital Nature Group

凡例

- 作品データは、以下の順番で記載しました。
・ 機器位置 / 作品名 (発表年) / 著者名 / 使用材料 / 所属
 - 会場構成の都合により、展示の順番や内容は作品リストと異なる場合があります。
デジタル版にアップデートがある場合もあります。
- #### Notes
- The works are listed in the following order.
Location of fixtures / Name of work (year of presentation) / Author / Materials used / Affiliation
 - Venue The order and contents of the exhibits may be different from the list of works due to the composition.
 - There may be updates to the digital version.

デジタル版作品リスト



中文版本

IV Co-creation and cultural diversity

10-1 LIVE JACKET (2018)

Satoshi Hashizume, Shinji Sakamoto, Kenta Suzuki, Yoichi Ochiai / Satoshi Hashizume, Shinji Sakamoto,
Kenta Suzuki, Yoichi Ochiai
Speaker x22, PC
Digital Nature Group

10-2 ReverseCAVE (2017)

Akira Ishii, Masaya Tsuruta, Ippei Suzuki, Shuta Nakamae, Tatsuya Minagawa, Junichi Suzuki, Yoichi Ochiai
Projector, mosquito net, HMD, motion capture system, PC
Digital Nature Group

10-3 Stimulated Percussions (2016)

Ayaka Ebisu, Satoshi Hashizume, Kenta Suzuki, Akira Ishii, Mose Sakashita, Yoichi Ochiai
Myoelectric pads, low-frequency therapy devices, musical instruments, microcomputers,
PCs
Digital Nature Group

11-1 Interactive Sound Recognition System (2019)

Sugano Lab., University of Tokyo (in cooperation with Tsukurusha, LLC.)
Software
xDiversity

11-2 See-Through Captions (2021)

Akihisa Shitara, Kenta Yamamoto, Ippei Suzuki, Ryosuke Hyakuta, Ryo Iijima, Yoichi Ochiai
Transparent display, PC, microphone, web browser
Speech recognition API
Digital Nature Group

11-3 Word Cloud for Meeting

Ryo Iijima, Akihisa Shitara, Sayan Sarcar, Yoichi Ochiai
PC, web browser, voice recognition
API
Digital Nature Group

12-1 Ainu Design (2022)

Vargas Meza Xanat
Digital Nature Group

12-2 EEG and Self-Assessment Evaluation of Engagement with Online Exhibitions (2022)

Li, Jingjing Li, Ye, Zhang, Zhixin Zhang, Kazunoki Chen, Vargas Meza Xanat, Yoichi Ochiai / Jingjing Li, Ye Yang, Zhixin Zhang, Yinan Zhao, Vargas Meza Xanat, Yoichi Ochiai
EMOTIV EPOC X 14 Channel Mobile Brainwear (2 items); Paperworks
Digital Nature Group

12-3 Low-Vision Wedding (2022)

Masaaki Sadasue, Ippei Suzuki, Kengo Tanaka, Kosaku Namikawa, Chieko Nishimura, Yoichi Ochiai
Camera, Switcher, Zoom, PC, Speaker, Max, Smartphone, Tablet
Digital Nature Group

13-1 Air Talk-Starter (2022)

Ryosei Kojima, Akitoshi Shitara, Ryuki Fushimi, Ryogo Niwa, Atsushi Shinoda, Ryo Iijima, Kengo Tanaka, Sayan Sarcar, Yoichi Ochiai
Iijima, Kengo Tanaka, Sayan Sarcar, Yoichi Ochiai
PC, Handyscope, high-speed bipolar power supply, speaker, 3D printer, aluminum frame, MDF material
Digital Nature Group

13-2 Braille Friends Concert AR & Tactile Picture Book (2021)

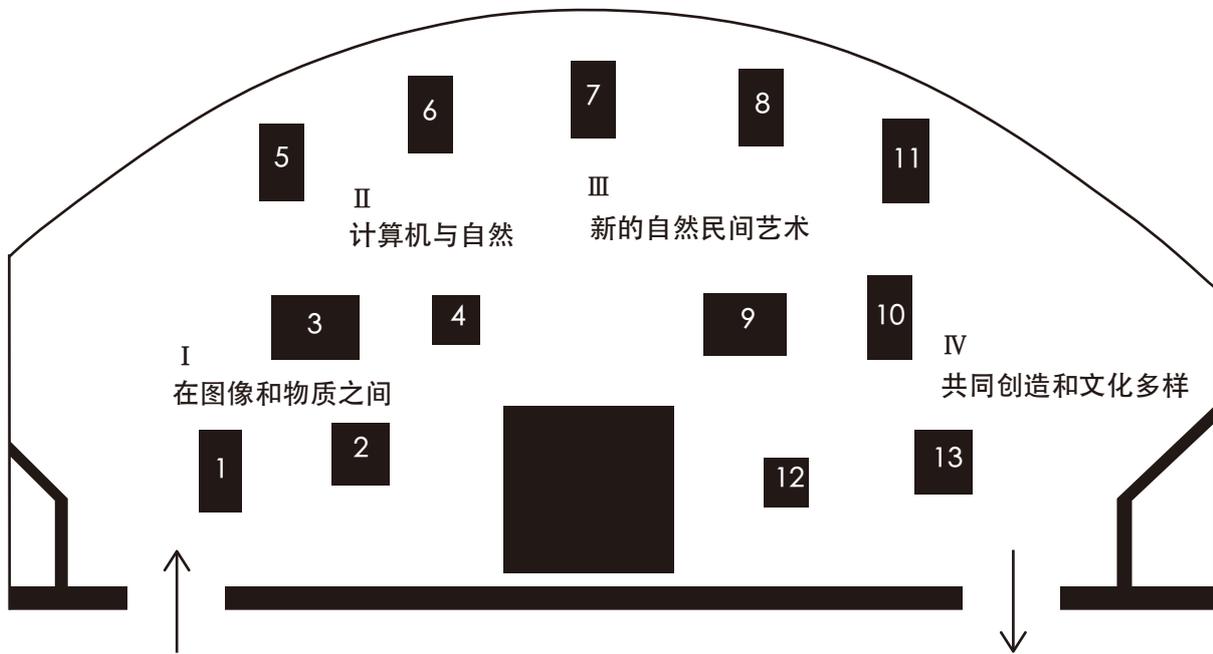
Kengo Tanaka, Eri Kato
Kengo Tanaka, Midjourney / Kengo Tanaka, Midjourney
3D printer, filament, PC, picture book, tack paper, Braille machine
Digital Nature Group

13-3 Otome Prosthetic Leg Project (2022)

Iron frame
SONY Endo
xDiversity

13-4 Smartphone Drum (2021)

Ryo Iijima, Akitoshi Shitara, Sarkar Sayan, Yoichi Ochiai
Ryo Iijima, Akihisa Shitara, Sayan Sarcar, Yoichi Ochiai
iPhone
Digital Nature Group



I 在图像和物质之间

1-1 Fairy Light in Femtoseconds (2015)

落合陽一, 熊谷幸汰, 星貴之, 厩本純一, 長谷川智士, 早崎芳夫 / Yoichi Ochiai, Kota Kumagai, Takayuki Hoshi, Jun Rekimoto, Satoshi Hasegawa, Yoshio Hayasaki
飞秒激光器、空间相位调制器、振荡器、物镜、个人计算机
Digital Nature Group

1-2 Glass-beads Display (2017)

安藤真之介, 大峠和基, 落合陽一 / Shinnosuke Ando, Kazuki Otao, Yoichi Ochiai
逆反射材料 (玻璃珠), 激光投影仪
Digital Nature Group

1-3 Gushed Light Field (2016)

鈴木一平, 吉満駿太郎, 河原圭佑, 伊藤亘應, 篠田篤, 石井晃, 吉田貴寿, 落合陽一 / Ippei Suzuki, Shuntarou Yoshimitsu, Keisuke Kawahara, Nobutaka Ito, Atsushi Shinoda, Akira Ishii, Takatoshi Yoshida, Yoichi Ochiai
气溶胶喷射器、投影仪、伺服电机、微控制器、亚克力板、轻木、镜子
Digital Nature Group

1-4 Pixie Dust (2014)

落合陽一, 星貴之, 厩本純一 / Yoichi Ochiai, Takayuki Hoshi, Jun Rekimoto
超声波聚焦设备, 个人计算机, 投影机
Digital Nature Group

2-1 Cross Field Aerial Haptics (2016)

落合陽一, 熊谷幸汰, 星貴之, 長谷川智士, 早崎芳夫 / Yoichi Ochiai, Kota Kumagai, Takayuki Hoshi, Satoshi Hasegawa, Yoshio Hayasaki
飞秒激光器、空气相位调节器、电流计、超声波传感器 (PAT)
Digital Nature Group

2-2 Deep Billboards (2022)

近藤生也, 黒木颯, 百田涼佑, 松尾豊, 阪本翔, 落合陽一 / Naruya Kondo, So Kuroki, Ryosuke Hyakuta, Yutaka Matsuo, Shixiang Shane Gu, Yoichi Ochiai
个人计算机、相机
Digital Nature Group

2-3 Leaked Light Field from Everyday Material (2016)

高澤和希, 鈴木健太, 坂本慎司, 金井啓太, 落合陽一 / Kazuki Takazawa, Kenta Suzuki, Shinji Sakamoto, Keita Kanai, Yoichi Ochiai
日常材料 (木皮、镜子、皮革)、显示器 (如iPad)
Digital Nature Group

2-4 Optical Cloaking Display (2019)

青砥隆仁, 伊藤優太, 大峠和基, 高澤和希, 落合陽一 / Takahito Aoto, Yuta Itoh, Kazuki Otao, Kazuki Takazawa, Yoichi Ochiai
双面角反射器阵列 (DCRA), 镜子
Digital Nature Group

3-1 Eholo glass (2018)

オオジユンイ, 村松直哉, 落合陽一 / Chun Wei Ooi, Naoya Muramatsu, Yoichi Ochiai
空间相位调制器, 激光器, SASHIMI Mirror
Digital Nature Group

3-2 Light Field Blender (2017)

大峠和基, 伊藤優太, 大曾根宏幸, 高澤和希, 片岡駿之介, 落合陽一 / Kazuki Otao, Yuta Itoh, Hiroyuki Osone, Kazuki Takazawa, Shunnosuke Kataoka, Yoichi Ochiai
双面角反射器阵列 (DCRA), 液晶显示器 LCD, 镜头阵列
Digital Nature Group

3-3 Holographic Whisper

落合陽一, 星貴之 / Yoichi Ochiai, Takayuki Hoshi
超声波聚焦设备 (Holographic Whisper 原型), 个人计算机
Digital Nature Group

3-4 Fundus imaging using DCRA toward large eyebox (2019)

新由衣, 大峠和基, 青砥隆仁, 落合陽一 / Yui Atarashi, Kazuki Otao, Takahito Aoto, Yoichi Ochiai
双面角反射器阵列 (DCRA), LED (发光二极管), 摄像头
Digital Nature Group

II 计算机与自然

4-1 Coded Skeleton (2016)

岩船美友, 大嶋泰介, 落合陽一 / Miyu Iwafune, Taisuke Ohshima, Yoichi Ochiai
3D打印机、生物金属、微型计算机
Digital Nature Group

4-2 Printed Absorbed (2017)

小川航平, 皆川達也, 羽佐田大樹, 大嶋泰介, 落合陽一 / Kohei Ogawa, Tatsuya Mianagawa, Hiroki Hasada, Taisuke Oshima, Yoichi Ochiai
3D打印机
Digital Nature group

5-1 Calmbots (2016)

佃優河, 田上大智, 貞末真明, 鈴木紫琉, 盧俊利, 落合陽一 / Yuga Tsukuda, Tagami Daichi, Masaaki Sadasue, Shieru Suzuki, Jun-Li Lu, Yoichi Ochiai
各种电子元件、微型计算机、个人计算机、蟑螂、照相机、3D打印机
Digital Nature Group

5-2 Cicada-Canon (2018)

佃優河, 西田直人, 鈴木一平, 盧俊利, 落合陽一 / Yuga Tsukuda, Naoto Nishida, Ippei Suzuki, Jun-Li Lu, Yoichi Ochiai
扩音器、扬声器、蝉、个人计算机
Digital Nature Group

5-3 kuchibashi (2022)

村上貴人, 鳥居万椰, Xanat Vargas Meza, 落合陽一 / Takahito Murakami, May Torii, Xanat Vargas Meza, Yoichi Ochiai
3D打印, 树脂
Digital Nature Group

5-4 Silk Print (2017)

岩崎里玖, 佐藤裕太, 鈴木一平, 鈴木健太, 篠田篤, 落合陽一 / Riku Iwasaki, Yuta Sato, Kenta Suzuki, Ippei Suzuki, Atsushi Shinoda, Yoichi Ochiai
蚕, 3D打印机
Digital Nature Group

6-1 A Preliminary Study for Identification of Additive Manufactured Objects with Transmitted Images (2020)

山本健太, 川村涼太, 高澤和希, 大曾根宏幸, 落合陽一 / Kenta Yamamoto, Ryota Kawamura, Kazuki Takazawa, Hiroyuki Osone, Yoichi Ochiai
3D打印机, 红外摄像机, 红外光源, 双面角反射器阵列 (DCRA), 个人计算机
Digital Nature Group

6-2 Haptic Vertigo (2022)

鈴木紫琉, 泉和哉, 小嶋凌勢, 青山一真, Bektur Ryskeldiev, 落合陽一 / Shieru Suzuki, Kazuya Izumi, Ryosei Kojima, Kazuma Aoyama, Bektur Ryskeldiev, Yoichi Ochiai
各种电子元件、微控制器、电脑、FDM 3D打印机、扬声器、动作捕捉系统、放大器
Digital nature Group

6-3 Optical Marionetto (2016)

石井晃, 鈴木一平, 坂本慎司, 金井啓太, 高澤和希, 土井ひらく, 落合陽一 / Akira Ishii, Ippei Suzuki, Shinji Sakamoto, Keita Kanai, Kazuki Takazawa, Hiraku Dai, Yoichi Ochiai
头戴式显示器HMD, 双目摄像头, 个人计算机
Digital Nature Group

6-4 Haptic Marionetto (2017)

坂下申世, 佐藤裕太, 蛭子綾花, 河原主佑, 橋爪智, 村松直哉, 落合陽一 / Mose Sakashita, Yuta Sato, Ayaka Ebisu, Keisuke Kawahara, Satoshi Hashizume, Naoya Muramatsu, Yoichi Ochiai
EMS, Arduino, 腕帶
Digital Nature Group

6-5 TeraFolds (2021)

山本健太, 浪川洪作, 落合陽一 / Kenta Yamamoto, Kosaku Namikawa, Yoichi Ochiai
噴墨打印机, 铝箔, 电熨斗, 太赫兹传感器, 太赫兹光源, XY绘图仪
Digital Nature Group

III 新的自然民间艺术

7-1 Computational Alternative Photographic Process

小澤知夏, 山本健太, 泉和哉, 落合陽一 / Chinatsu Ozawa, Kenta Yamamoto, Kazuya Izumi, Yoichi Ochiai
纸张, 个人计算机, 感光机, 画笔, 玻璃板, 曝光机, OHP片, 噴墨打印机
Digital Nature Group

7-2 Drone Badminton

貞末 真明, 皆川 達也, 田中 賢吾, 丹羽 遼吾, 伏見 龍樹, Sayan Sarcar, 落合 陽一 / Masaaki Sadasue, Tatsuya Minagawa, Kengo Tanaka, Ryogo Niwa, Tatsuki Fushimi, Sayan Sarcar, Yoichi Ochiai
微控制器, 距离传感器, 无人机, 钛合金框架, 尼龙, SLS3D打印机
Digital Nature Group

7-3 Human Coded Orchestra

西條 柚, 鈴木健太, 伊藤 亘應, 小池 栄美, 落合陽一 / Yuzu Saijo, Kenta Suzuki, Nobutaka Ito, Amy Koike, Yoichi Ochiai
定向扬声器, Max/MSP, 个人计算机
Digital Nature Group

7-4 Photographic Lighting Design with Photographer-in-the-Loop Bayesian Optimization (2022)

山本健太, 小山裕己, 落合陽一 / Kenta Yamamoto, Yuki Koyama, Yoichi Ochiai
机器人手臂, 笔式平板电脑, 个人计算机
Digital Nature Group

8-1 Design Method of Digitally Fabricated Spring Glass Pen (2018)

小川航平, 田中賢吾, 皆川達也, 落合陽一 / Kohei Ogawa, Kengo Tanaka, Tatsuya Minagawa, Yoichi Ochiai
3D打印机
Digital Nature Group

8-2 Goshuin 2.0: Construction of the World's Largest Goshuin Dataset and Automatic Generation System of Goshuin with Neural Style Transfer (2021)

清水秀馬, 皆川達也, James Harry Morris, Xanat Vargas Meza, 落合陽一 / Shuma Shimizu, Tatsuya Minagawa, James Harry Morris, Xanat Vargas Meza, Yoichi Ochiai
红印章, 扫描仪, 个人计算机
Digital Nature Group

8-3 基于阴道压力的设备 (2021)

鳥居万椰, 村上貴人, Xanat Vargas Meza, 落合陽一 / Maya Torii, Takahito Murakami, Xanat Vargas Meza, Yoichi Ochiai
微控制器, 气压 (压力) 传感器, 硅, 3D打印机
Digital Nature Group

8-4 Exquisite Corpus

它的目的是通过表现身体的整体性来揭示身体的潜力。它通过算法将身体的内部融合成一个三维的人类嵌合体, 从而揭示了身体的身份。它收集生物识别数据, 并从实际的病人数据中构建混合头像。

9-1 HaptStarter (2020)

設楽明寿, 生田目美紀, Sayan Sarcar, 落合陽一, 白石優旗
Akihisa Shitara, Miki Namatame, Sayan Sarcar, Yoichi Ochiai, Yuhki Shiraishi
3D打印机, 微型计算机, 称重传感器, 运算放大器, 晶体管阵列, 个人计算机, 橡胶板, 启动块
Digital Nature Group

9-2 OkanWatch (2020)

設楽明寿, 飯嶋稜, 皆川達也, 落合陽一 / Akihisa Shitara, Ryo Iijima, Tatsuya Minagawa, Yoichi Ochiai
iPhone, Apple Watch, PC
xDiversity, Digital Nature Group

9-3 Ontenna (2019)

富士通有限公司 / Fujitsu Limited.
xDiversity

9-4 Eye Tracking Systems for Communication Support (2022)

泉和哉, 鈴木紫琉, 落合陽一 / Kazuya Izumi, Shieru Suzuki, Yoichi Ochiai
眼球追踪器, 显示器, 网络摄像头, 铝框, FDM灯丝, 亚克力面板, 步进电机, 伺服电机
Digital Nature Group

9-4 OTON GLASS (2021)

泉和哉, 鈴木紫琉, 落合陽一 / Kazuya Izumi, Shieru Suzuki, Yoichi Ochiai
眼球追踪器, 显示器, 网络摄像头, 铝框, FDM灯丝, 丙烯酸板, 步进电机, 伺服电机
Digital Nature Group

凡例

- 作品データは, 以下の順番で記載しました。
 1. 装置位置 / 作品名 (発表年) / 著者名 / 使用材料 / 所属
- 会場構成の都合により, 展示の順番や内容は作品リストと異なる場合があります。
- デジタル版にアップデートがある場合もあります。

Notes

- The works are listed in the following order.
 Location of fixtures / Name of work (year of presentation) / Author / Materials used / Affiliation
- Venue The order and contents of the exhibits may be different from the list of works due to the composition.
- There may be updates to the digital version.

IV 共同创造和文化多样

10-1 LIVE JACKET (2018)

橋爪智, 坂本慎司, 鈴木健太, 落合陽一 / Satoshi Hashizume, Shinji Sakamoto, Kenta Suzuki, Yoichi Ochiai
扬声器x22, 个人计算机
Digital Nature Group

10-2 ReverseCAVE (2017)

石井晃, 鶴田真也, 鈴木一平, 中前秀太, 皆川達也, 鈴木淳一, 落合陽一 / Akira Ishii, Masaya Tsuruta, Ippei Suzuki, Shuta Nakamae, Tatsuya Minagawa, Junichi Suzuki, Yoichi Ochiai
投影仪, 蚊帳, HMD, 动作捕捉系统, 个人计算机
Digital Nature Group

10-3 Stimulated Percussions (2016)

蛭子綾花, 橋爪智, 鈴木健太, 石井晃, 坂下申世, 落合陽一 / Ayaka Ebisu, Satoshi Hashizume, Kenta Suzuki, Akira Ishii, Mose Sakashita, Yoichi Ochiai
肌电垫, 低频治疗仪, 乐器, 微型计算机, 个人计算机
Digital Nature Group

11-1 互动式声音识别系统 (2019)

东京大学菅野实验室 (开发合作: Tsukurusha LLC) / Sugano Lab., UTokyo (in cooperation with Tsukurusha, LLC.)
软件
xDiversity

11-2 See-Through Captions (2021)

設楽明寿, 山本健太, 鈴木一平, 百田涼佑, 飯嶋稜, 落合陽一 / Akihisa Shitara, Kenta Yamamoto, Ippei Suzuki, Ryosuke Hyakuta, Ryo Iijima, Yoichi Ochiai
透明显示器, 个人计算机, 麦克风, 网络浏览器, 语音识别API
Digital Nature Group

11-3 Word Cloud for Meeting

飯嶋稜, 設楽明寿, サーカー・サヤン, 落合陽一 / Ryo Iijima, Akihisa Shitara, Sayan Sarcar, Yoichi Ochiai
个人计算机, 网络浏览器, 语音识别API
Digital Nature Group

12-1 Ainu Design (2022)

Vargas Meza Xanat
Digital Nature Group

12-2 EEG and Self-Assessment Evaluation of Engagement with Online Exhibitions (2022)

李晶晶, 杨叶, 张哲新, 赵一楠, Vargas Meza Xanat, 落合陽一 / Jingjing Li, Ye Yang, Zhixin Zhang, Yinan Zhao, Vargas Meza Xanat, Yoichi Ochiai
EMOTIV EPOC X 14 Channel Mobile Brainwear (2 items); Paperworks
Digital Nature group

12-3 Low-Vision Wedding (2022)

貞末真明, 鈴木一平, 田中賢吾, 浪川洪作, 西村千恵子, 落合陽一 / Masaaki Sadasue, Ippei Suzuki, Kosaku Namikawa, Kengo Tanaka, Chieko Nishimura, Yoichi Ochiai
相机, 切换器, 变焦, 个人计算机, 扬声器, 最大, 智能手机, 平板电脑
Digital Nature Group

13-1 Air Talk-Starter (2022)

小嶋凌勢, 設楽明寿, 伏見龍樹, 丹羽遼吾, 篠田篤, 飯嶋稜, 田中賢吾, Sayan Sarcar, 落合陽一 / Ryosei kojima, Akihisa Shitara, Tatsuki Fushimi Ryogo Niwa, Atushi Shinoda, Ryo Iijima, Kengo Tanaka, Sayan Sarcar, Yoichi Ochiai
个人计算机, Handyscope, 高速双极电源, 扬声器, 3D打印机, 铝框, MDF材料
Digital Nature Group

13-2 盲文之友音乐会 AR和触觉图画书 (2021)

田中賢吾, 加藤英理 / Kengo Tanaka, Eri Kato
田中賢吾, Midjourney / Kengo Tanaka, Midjourney
3D打印机, 灯丝, 个人计算机, 图画书, 粘性纸, 盲文设备
Digital Nature Group

13-3 乙武假肢项目 (2022)

铁 框架
SONY远藤
xDiversity

13-4 Smartphone Drum (2021)

飯嶋稜, 設楽明寿, サーカー・サヤン, 落合陽一
Ryo Iijima, Akihisa Shitara, Sayan Sarcar, Yoichi Ochiai
iPhone
Digital Nature Group

