

AIST Creative HCI Seminar

Date/日時: **15:00-17:00, May 22, 2023**

Venue/会場: **Zoom Webinar**

Organized by **National Institute of Advanced Industrial Science and Technologies (AIST)**

Co-organized by **Japan ACM SIGCHI Chapter**

With support of the advisory board and organizing team

主催: **産業技術総合研究所（産総研）**

共催: **Japan ACM SIGCHI Chapter**

運営: **AIST Creative HCI Seminar アドバイザリーボード・チーム**

<https://chci.pages.dev/aist-seminar/en> [English]

<https://chci.pages.dev/aist-seminar> [日本語]

Seminar format: online

- Online/オンライン: **Zoom Webinar**
- Shared seminar notes/共有ノート: **Google Docs**
<https://bit.ly/chci-third-aist-seminar-docs>



Timetable

15:00	Introduction of the seminar (Jun Kato) 「AIST Creative HCI Seminar」の紹介 (加藤 淳)
15:05	Invited talk #1 / Late Breaking Work & Interactivity : Ami Motomura 招待講演 #1 / Late Breaking Work & Interactivity : 元村 愛美
15:35	Invited talk #2 / Case Studies & Doctoral Consortium : Hiromu Yakura 招待講演 #2 / Case Studies & Doctoral Consortium : 矢倉 大夢
16:05	Invited talk #3 / Papers : Koya Narumi 招待講演 #3 / Papers : 鳴海 紘也
16:35	Student Competitions & Special Interest Group : Jun Kato Student Competitions & Special Interest Group : 加藤 淳
16:45	Panel discussion: Ami, Hiromu, Koya, Jun パネルディスカッション: 元村, 矢倉, 鳴海, 加藤
16:55	Closing クロージング

AIIST Creative HCI Seminar | Invited talks

Third edition with focus on CHI 2023
第三回のテーマは**CHI 2023**



**Koya
Narumi**

Graduate School of
Engineering, The
University of Tokyo



**Hiromu
Yakura**

University of
Tsukuba



**Ami
Motomura**

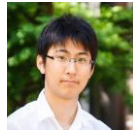
Ochanomizu
University

AIIST Creative HCI Seminar | Organizers

Organizing team



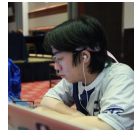
Jun Kato/加藤 淳
AIIST/産総研



Yuki Koyama/小山 裕己
AIIST/産総研



Midori Yamazaki/山崎 みどり
Out of Blue Inc.



Hiromu Yakura/矢倉 大夢
University of Tsukuba/筑波大学



Yui Atarashi/新 由衣
University of Tsukuba/筑波大学



Takahito Murakami/村上 貴人
University of Tsukuba/筑波大学



Ami Motomura/元村 愛美
Ochanomizu University/お茶の水女子大学



Mizuki Ishida/石田 瑞季
Ochanomizu University/お茶の水女子大学

Advisory board

Yoshifumi Kitamura (RIEC, Tohoku University) / 北村 喜文 (東北大学 電気通信研究所), Kumiyo Nakakoji (Future University Hakodate) / 中小路 久美代 (公立はこだて未来大学), Takeo Igarashi (The University of Tokyo) / 五十嵐 健夫 (東京大学), Koji Yatani (The University of Tokyo) / 矢谷 浩司 (東京大学)

Organized by:



Create the Future, Collaborate Together

Co-organized by:



Association for
Computing Machinery



SIGCHI
special interest group computer human interaction

Japan Chapter

Invited talk #1

15:05-15:35



Ami Motomura

Ochanomizu University

Invited talk #2

15:35-16:05



Hiromu Yakura

University of Tsukuba

Invited talk #3

16:05-16:35



Koya Narumi

Graduate School of Engineering, The University of Tokyo

Miscellaneous

16:35-16:45



Jun Kato

National Institute of Advanced Industrial Science and
Technology (AIST)

Other CHI programs

- Student {Research, Design, Game} Competition
- Special Interest Group
- Workshop

Jun Kato

加藤 淳



@junkato

<https://junkato.jp>

2009 Student Research Competition (Undergrad 1st Prize) / 2010, 2015-2016, 2018-2019 Reviewer / 2013, 2015, 2023 Honorable Mention Award / 2015-2016, 2017-2018 Symposium on Emerging Japanese HCI Research Collection (PC) / 2017, 2020-2021, 2023 Associate Chair / 2021 Student Research Competition Co-chair

Student Design Competition [1/3]

The SDC poses **a real-world challenge** and demands that **teams of students** use **a myriad of approaches** (design research, brainstorming, prototyping, implementation, and evaluation, for starters) to develop their submissions. Each year, this competition has received approximately 60 submissions from 15 countries.

... At the Student Design Competition, we ask you to contribute to **one (or several) of the 17 Sustainable Development Goals** identified by the United Nations.

... Teams must consist of **at least two and no more than five** students.

Student Design Competition [2/3]

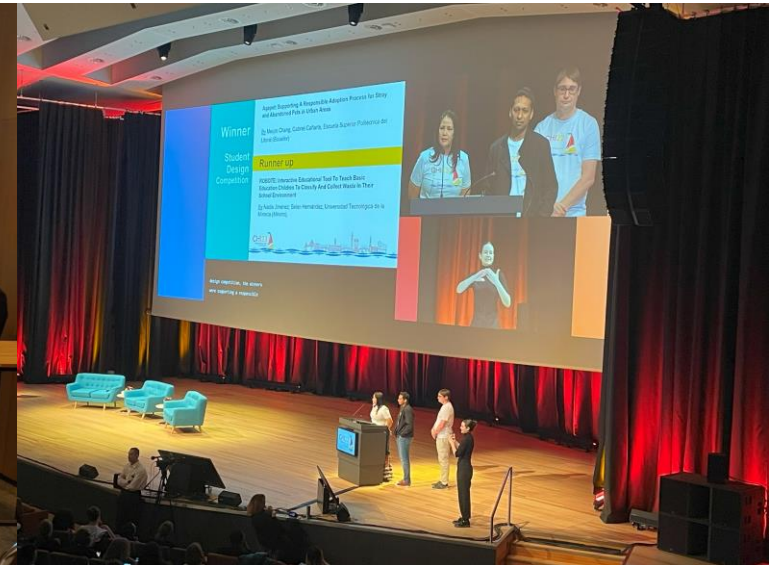
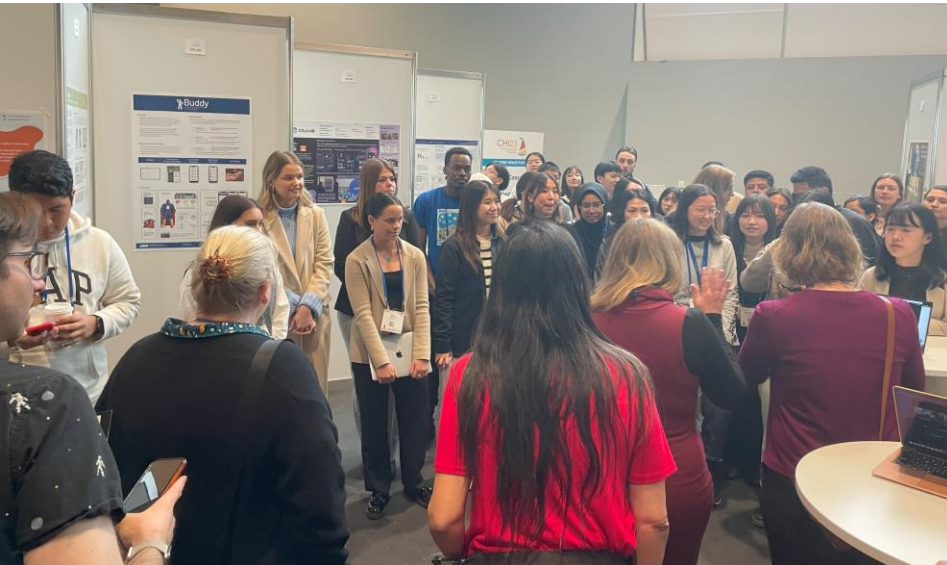
- Round 1: Paper, Poster, and Video submission (online)
- Round 2: Poster presentation (onsite, **16** teams)
- Round 3: Final presentation (onsite, **4** teams)

Competition Reviewers and Judges

Koya Narumi, Jun Kato, Pedro Lopes (University of Chicago, USA), Wendy Mackay (Inria & Université Paris Saclay, France), Elizabeth Churchill (Google, USA), Ellen Do (Atlas, University of Colorado Boulder, USA), ...

Student Design Competition [3/3]

- Round 2: Poster presentation (onsite, **16** teams)
- Round 3: Final presentation (onsite, **4** teams)
- Award ceremony (CHI Closing Plenary)





A brief introduction to Student Research Competition

Jun Kato

Student Research Competition Chair, CHI 2021 organising committee

National Institute of Advanced Industrial Science and Technology (AIST), Japan

<https://junkato.jp>



CHI 2021 | Student Research Competition

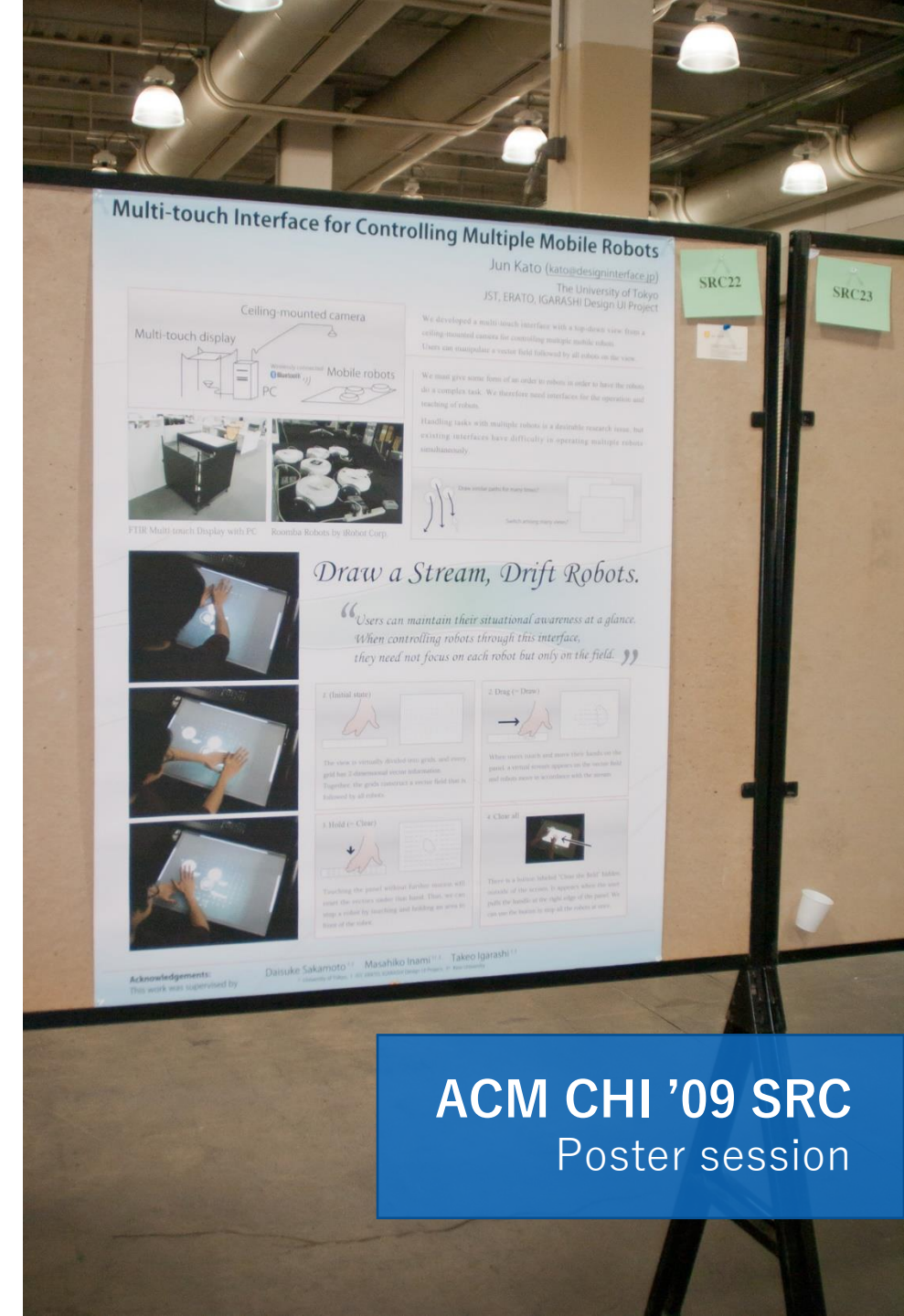
Student Research Competition goals

- **To give students opportunities**
 - to share their research ideas and results at CHI in a special forum
 - to meet with and interact with CHI attendees to share ideas, gain new insights, and understand possible practical applications
 - to sharpen their communication skills
- **To provide detailed feedback** to students from a panel of distinguished judges from industry and academia
- **To recognize and reward** outstanding student research

<https://chi2021.acm.org/for-authors/students/student-research-competition>

Student Research Competition rounds

1. Submit your work online
2. Present your poster
3. Present your work
4. Winners announced during the plenary
5. Compete in the Grand Finals
6. Join the Annual ACM Awards Banquet



ACM CHI '09 SRC
Poster session

SRC 1st round

Submit your work online

- Login early to check out the submission form!
- Prepare and submit a paper and poster

Fill in this form to submit to the CHI 2021 **Student Research Competition** track. When done, press the 'Submit' button at the bottom of the page.

You will be required to confirm that you have complied with the [Terms and Conditions of the SIGCHI Submitter Agreement](#) at the end of this form. We recommend reviewing it in advance so you can make sure you are in compliance before beginning the submission process.

Submission type (required)

Indicate whether this is an undergraduate (multiple authors allowed) or graduate (only one author allowed) submission.

- undergraduate
 graduate

Title (required)

Cut and paste the title from your source file into this field on the Submission Page (not from your PDF). **Please Be Sure That Each Important Word in Your Title (in the PDF and this Text Field) Starts with a Capital Letter Like This Text**

A Submission Form on Precision Conference (PCS)
planned to open in early September

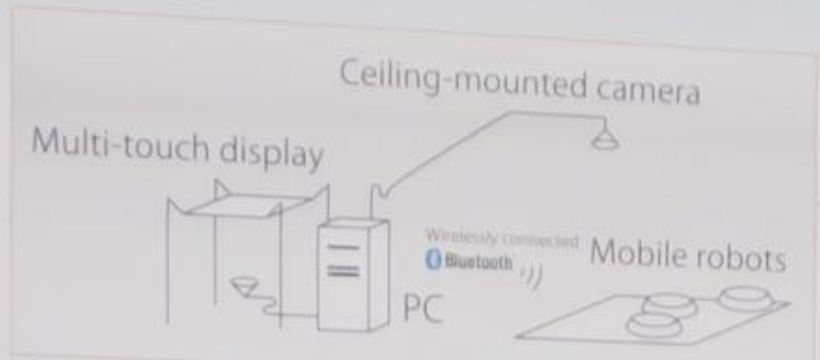
SRC 2nd round

Present your poster at the conference

Juries will come and listen to you in front of the poster

Multi-touch Interface for Controlling Multiple Mobile Robots

Jun Kato (kato@designinterface.jp)
The University of Tokyo
JST, ERATO, IGARASHI Design UI Project



Multi-touch display

Ceiling-mounted camera

Mobile robots

PC

Wirelessly connected Bluetooth

We developed a multi-touch interface with a top-down view from a ceiling-mounted camera for controlling multiple mobile robots. Users can manipulate a vector field followed by all robots on the view.

We must give some form of an order to robots in order to have the robots do a complex task. We therefore need interfaces for the operation and teaching of robots.

Handling tasks with multiple robots is a desirable research issue, but existing interfaces have difficulty in operating multiple robots simultaneously.

SRC22

SRC23

SRC 3rd round

Present your work at the conference

Just like a paper session, SRC is assigned a dedicated room



CHI 2021 SRC Important Dates

- Submission deadline:
January 11th, 2021 at 12pm (noon) PT – Pacific Time
- Notification:
February 18th, 2021 at 12pm (noon) PT – Pacific Time
- Publication-ready deadline:
February 25th, 2021 at 12pm (noon) PT – Pacific Time

Submit your work!

Student Research Competition の「その後」

- Rob Miller (SRC Co-chair) のラボを何度か訪問
- 2021/5 **ACM CHI 2021** Student Research Competition Chair
- Joanna McGrenere (SRC Co-chair) と CHI 2023 後のラボ訪問で再会

Submit your work!!

Special Interest Group [1/3]

Special Interest Groups (SIGs) enable conference attendees sharing a common interest to **meet informally for 75 minutes** of facilitated discussion during a scheduled session at the conference. SIGs offer excellent opportunities for dialog and deliberation on a specific topic. The conference provides each SIG with meeting space and advertises SIG meetings to the rest of the conference in the Extended Abstracts and Conference Program.

... While not strictly required, we prefer that proposals be **authored by a minimum of two individuals** representing at least two different organizations.

Special Interest Group [2/3]

We consider the following criteria, in descending order of priority:

- **Appeal to the community:** Is the topic both timely and of wide enough appeal to attract a significant audience? At the same time, is the topic sufficiently focused to allow for productive discussion during the SIG meeting? Too narrow, and the SIG might attract too few people; too broad, and it is difficult for progress to be made in the relatively short duration of a SIG.
- **Format:** Is the proposed format conducive to discussion and shared insight? Will it be possible to achieve its aims? SIGs are not workshops, nor project showcases, nor tutorials.
- **Diversity of perspective:** It helps to be able to show that the SIG will be able to encompass a wide perspective, and that the organizers can accommodate and facilitate discussion across this breadth. Places to show this are in the description of the intended community, the assumed attendee background, and the home institutions and disciplines of the organizers.
- **Continuity:** Does the SIG support the development of a longer term interest group, for example follow-on SIGs or other types of contributions at subsequent CHI and other conferences, or a SIGCHI Community? If the topic is a very recent or new one, or a revival of an old topic, then arguments will need to be made, to demonstrate that it is a topic that will persist, rather than simply being this year's fashion. If the topic is a continuation of previous SIG(s), then it is necessary to present the latest developments of the topic and their projection into the future.

Special Interest Group [3/3]

- Room capacity \approx 100 people
- Aim: discuss important topics in recent creativity support research
show presence as a community / find missing perspectives / consider next steps
- Structure: organizer presentation + subgroup activity + summary report

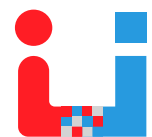


Panel discussion

15:50-16:25



**Invited
speakers**
+ Jun Kato



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Closing

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AIIST Creative HCI Seminar

#3

Invited speakers/招待講演



**Koya
Narumi**

Graduate School of
Engineering, The
University of Tokyo

**Hiromu
Yakura**

University of
Tsukuba

**Ami
Motomura**

Ochanomizu
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Host/司会



**Jun
Kato**

AIIST

Organized by:



Create the Future, Collaborate Together

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