

# ASSETS 2022

The 24th International ACM SIGACCESS  
Conference on Computers and Accessibility

📍 Athens, Greece

📅 Oct 23-26



# ASSETS'22 DAY 1

Athens, Greece







jonfroehlich (he/him) Today at 1:23 PM

Wonderful ASSETS'22 attendees, it is my pleasure to announce the posting of Haben Girma's Opening Keynote (fully captioned): <https://youtu.be/q2qv-TYcLal>. This video is unlisted and is only for paid ASSETS'22 registrants (virtual and in-person) (edited)

YouTube

**ACM SIGACCESS**

**ASSETS'22 Haben Girma Opening Keynote in Athens, Greece**







# ASSETS'22 DAY 1

Posters & Demos





# ASSETS'22 DAY 1

Virtual Land



# **DAY 2 SUMMARY**

SCHEDULE

# DISTINGUISHED GUESTS

Monday



**Georgios Kouroupetroglou**

President, Advancement of Assistive  
Technology in Europe; Prof, NKUA



**Haben Girma**

Human rights lawyer advancing  
disability justice

Tuesday



**Yannis Ioannidis**

President, ACM  
Professor, NKUA



**Clayton Lewis**

Professor Emeritus, U. of Colorado  
SIGACCESS Outstanding Contribution



# ASSETS'22 DAY 2

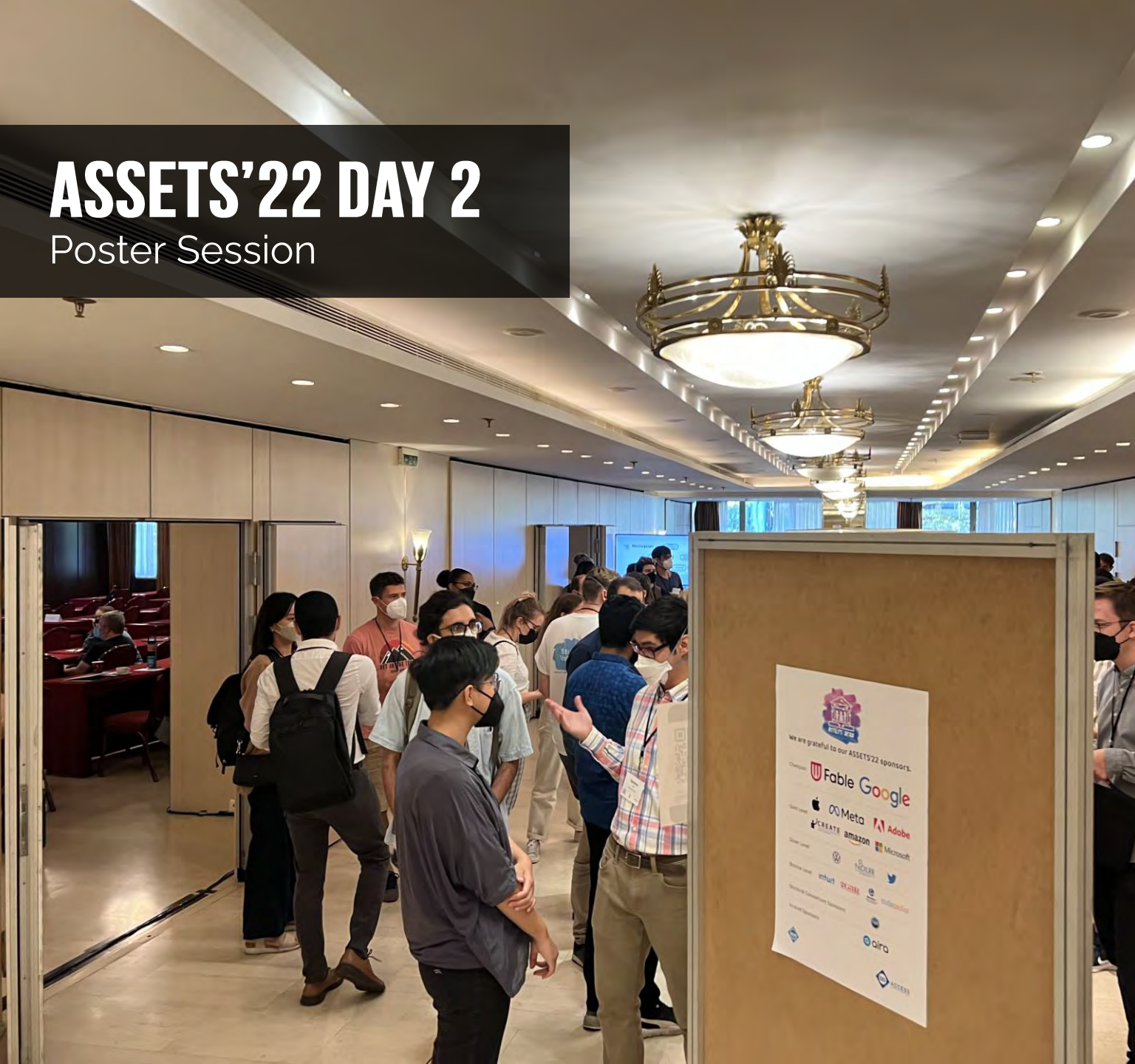
## Talks





# ASSETS'22 DAY 2

## Poster Session





# ASSETS'22 DAY 2

## Townhall

something really to say about this. There are also complications with time zones and things like that, which make it fun. But Christian definitely has some.

>> CHRISTIAN: Okay, I'm vision Voelger from Gaillardet University and I am responsible for the hybrid setup (christian). So, first I agree with you. You know, I had this vision of providing live, and ...  
...ate from here

### Questions for the Community

• ASSETS'22 was virtual in 2020 and 2021, and ASSETS'2022 is in-person with a hybrid weight virtual option.

• Ensuring an accessible and a good experience is very challenging for a hybrid event, and many people place a value on gathering in person with the community. However, virtual options do enable much broader participation in ASSETS. What are your views about these trade offs and for the future flexibility of ASSETS'?

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**A C C E S S**

*Special Interest Group on Accessible Computing*

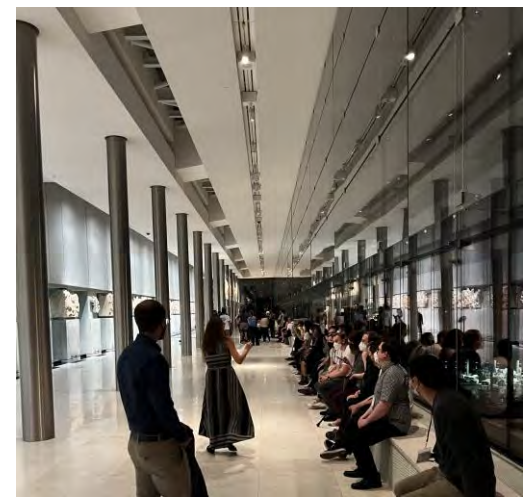
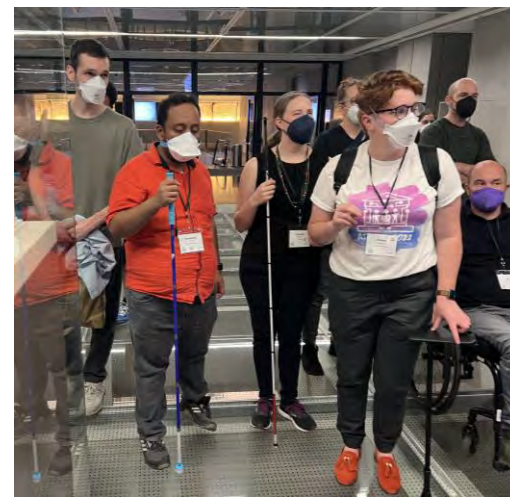
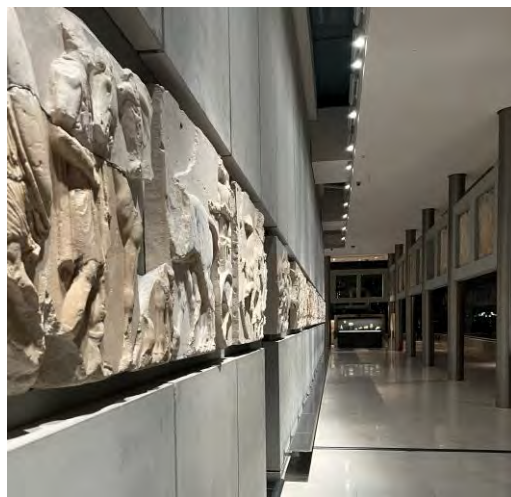
**Join SIGACCESS!**





# ASSETS'22 DAY 2

Acropolis Museum





# ASSETS'22 DAY 2

Acropolis Cafe







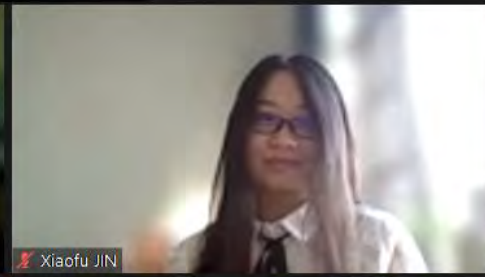
Michael McQuaid (he/him/his)



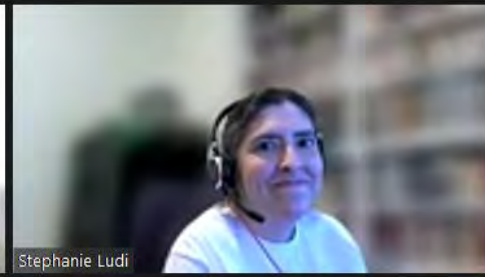
Kelly Mack (she/her)



Richard Emil Ladner



Xiaofu JIN



Stephanie Ludi



Stephanie Valencia (she/her)



Jennifer C Mankoff (She/her)



Laurianne Sitbon (she/her)



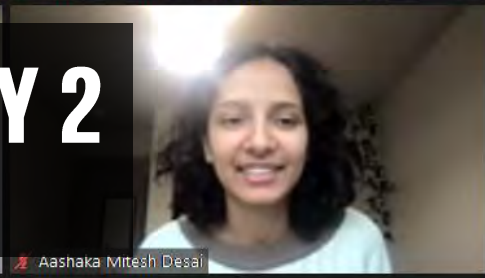
Emily Kuang (RIT Student)



Abi Roper (she/her)



john tang



Aashaka Mitesh Desai



Yiwen Wang



Ather Sharif (he/him)



Yuhang Zhao



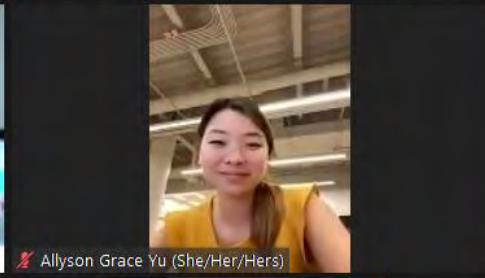
Momona Yamagami (she/her)



J Bern Jordan



Karl Hebenstreit, Jr.



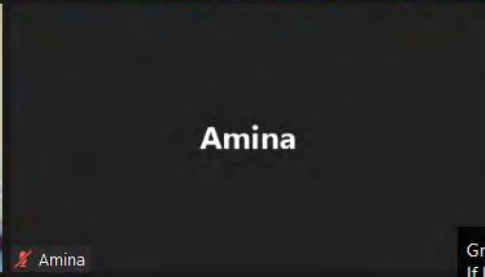
Allyson Grace Yu (She/Her/Hers)



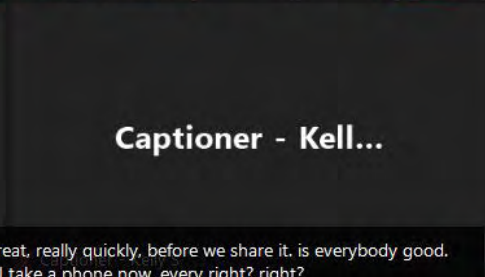
John Magee



Sarah Coppola



Amina

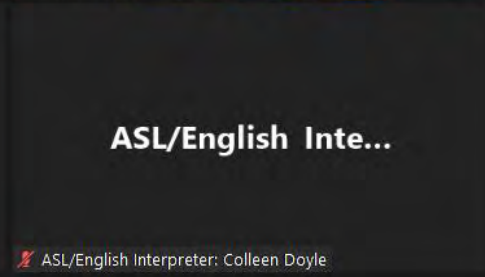


Captioner - Kell...

Great, really quickly, before we share it, is everybody good. If I take a phone now, every right? right?



Interpreter - Sarah Blattberg (she/her/hers)



ASL/English Inte...

ASL/English Interpreter: Colleen Doyle





ASSETS'22

# HYBRID/VIRTUAL CHAIRS



**Christian Vogler**  
Gallaudet University



**Emma McDonnell**  
UW



**Laurianne Sitbon**  
Queensland U. of Tech



**Kelly Mack**  
UW



**THANK YOU**



49

← 15  
Countries



**Organizing Committee**



ASSETS'22

# THANK YOU ORGANIZING COMMITTEE

**General Chair,** Jon E. Froehlich

**Technical Program Chairs,** Kristen Shinohara; Stephanie Ludi

**Treasurer and Registration Chairs,** Martez Mott; Kyle Rector

**Hybrid Experience Chair,** Christian Vogler

**Proceedings Chair,** Raja Kushalnagar; Sergio Mascetti

**Local Chairs,** Georgios Kouroupetroglou, Alexandros Pino

**Local Access Chairs,** Paraskevi Riga, Ariadni Velissaropoulou

**Web and Graphic Chairs,** Liang He, Junhan (Judy) Kong, Jaylin Herskovitz, Jason Wu

**ACM Partnerships Chair,** Stacy Branham

**Global Outreach Chairs,** Uran Oh, Yuhang Zhao, Manohar Swaminathan, Pin Sym Foong

**Workshop Chairs,** Kyle Montague, Sowmya Somanath

**Education and Outreach Chairs,** Anne Spencer Ross, Catie Baker

**Equity and Belonging Chairs,** LouAnne Boyd, John A. Guerra Gomez

**Virtual Chairs, Emma McDonnell,** Kelly Mack, Benjamin Tannert, Laurianne Sitbon

**Accessibility Chairs,** J. Bern Jordan, Lei Shi

**Mentoring Chairs,** Sayan Sarcar, Kirsten Ellis

**Publicity Chairs,** Alexa Siu, Arthur Theil

**Student Volunteer Chairs,** Franklin Mingzhe Li, Maryam Banduka

**TACCESS Special Issue Chair,** Maria Wolters

**Best Artifact Chair,** Dragan Ahmetovic

**Poster/Demo Chairs,** Hugo Nicolau, Taslima Akter

**Doctoral Consortium Chairs,** Katta Spiel, Aqueasha Martin-Hammond

**Student Research Competition Chairs,** Mingming Fan, Roshan Peiris

**Experience Report Chairs,** Garreth Tigwell, Kathryn (Kate) Ringland











# 73



**Program Committee**



ASSETS'22

# THANK YOU PROGRAM COMMITTEE

**Tousif Ahmed**, *Samsung Research, USA*  
**Dragan Ahmetovic**, *Università degli Studi di Milano, Italy*  
**Taslima Akter**, *Indiana University, USA*  
**Oliver Alonzo**, *Rochester Institute of Technology, USA*  
**Catherine Baker**, *Creighton University, USA*  
**Giulia Barbareschi**, *Keio University, Japan*  
**Andrew Begel**, *Microsoft Research, USA*  
**Jeffrey Bigham**, *Carnegie Mellon Univ & Apple Research, USA*  
**Syed Masum Billah**, *Pennsylvania State University, USA*  
**Edward Cutrell**, *Microsoft Research, USA*  
**Karina Caro**, *Autonomous University of Baja California, Mexico*  
**Michael Crabb**, *University of Dundee, UK*  
**Patrick Carrington**, *Carnegie Mellon University, USA*  
**Maitraye Das**, *Northwestern University, USA*  
**Kirsten Ellis**, *Monash University, Australia*  
**Yasmine Elglaly**, *Western Washington University, USA*  
**Lizbeth Escobedo**, *University of California, San Diego, USA*  
**Leah Findlater**, *Univ of Washington & Apple Research, USA*  
**David Flatla**, *University of Guelph, Canada*  
**Kathrin Gerling**, *KU Leuven, Belgium*  
**Benjamin Gorman**, *Bournemouth University, UK*  
**João Guerreiro**, *University of Lisbon, Portugal*  
**Tiago Guerreiro**, *University of Lisbon, Portugal*  
**Anhong Guo**, *University of Michigan, USA*  
**Foad Hamidi**, *University of Maryland, Baltimore County, USA*  
**Kotaro Hara**, *Singapore Management University, Singapore*  
**Saad Hassan**, *Rochester Institute of Technology, USA*

**Liang He**, *Purdue University, USA*  
**Megan Hofmann**, *Carnegie Mellon University, USA*  
**Anthony Hornof**, *University of Oregon, USA*  
**Matt Huenerfauth**, *Rochester Institute of Technology, USA*  
**Amy Hurst**, *New York University, USA*  
**Dhruv Jain**, *University of Washington, USA*  
**Hernisa Kacorri**, *University of Maryland, USA*  
**Shaun Kane**, *Google, USA*  
**Masatomo Kobayashi**, *IBM Research Tokyo, Japan*  
**Ravi Kuber**, *University of Maryland, Baltimore County, USA*  
**Sri Kurniawan**, *University of California, Santa Cruz, USA*  
**Raja Kushalnagar**, *Gallaudet University, USA*  
**Sooyeon Lee**, *Rochester Institute of Technology, USA*  
**Clayton Lewis**, *University of Colorado, USA*  
**Kyle Montague**, *Northumbria University, UK*  
**Sergio Mascetti**, *University of Milan, Italy*  
**Kathleen McCoy**, *University of Delaware, USA*  
**Rachel Menzies**, *University of Dundee, UK*  
**Oussama Metatla**, *University of Bristol, UK*  
**Lauren Milne**, *Macalester College, USA*  
**Silvia Mirri**, *University of Bologna, Italy*  
**Karyn Moffatt**, *McGill University, Canada*  
**Merrie Morris**, *Google, USA*  
**Cecily Morrison**, *Microsoft Research, UK*  
**Martez Mott**, *Microsoft Research, USA*  
**Aboubakar Mountapmbeme**, *University of North Texas, USA*  
**Tim Neate**, *King's College London, UK*

**Hugo Nicolau**, *University of Lisbon, Portugal*  
**Obianuju Okafor**, *University of North Texas, USA*  
**Roshan Peiris**, *Rochester Institute of Technology*  
**Cynthia Putnam**, *DePaul University, USA*  
**Kathryn Ringland**, *University of California, Santa Cruz, USA*  
**André Rodrigues**, *University of Lisbon, Portugal*  
**Abi Roper**, *City University of London, UK*  
**Abigale Stangl**, *University of Washington, USA*  
**Sayan Sarcar**, *Birmingham City University, UK*  
**Daisuke Sato**, *IBM Research Tokyo, Japan*  
**Lei Shi**, *Google, USA*  
**Manohar Swaminathan**, *Microsoft Research, India*  
**Hironobu Takagi**, *IBM Research Tokyo, Japan*  
**Benjamin Tannert**, *Bremen City Univ of Applied Science, Germany*  
**Arthur Theil**, *Offenburg University of Applied Sciences, Germany*  
**Gerhard Weber**, *Dresden University of Technology, Germany*  
**Maria Wolters**, *University of Edinburgh, UK*  
**Shaomei Wu**, *Facebook, USA*  
**Yuhang Zhao**, *University of Wisconsin-Madison, USA*



# 46



**Student Volunteers**

8 in-person | 38 virtual

ASSETS'22

# THANK YOU STUDENT VOLUNTEERS

**Alexandre Nevsky**, *King's College London*

**Allyson Yu**, *Temple University*

**Bineeth Kuriakose**, *Oslo Metropolitan University (OsloMet), Oslo, Norway*

**Brianna Wimer**, *University of Notre Dame*

**Chen Chen**, *University of California San Diego*

**Chinatsu Ozawa**, *University of Tsukuba / DigitalNatureGroup*

**Chutian Jiang**, *The Hong Kong University of Science and Technology*

**Eleftheria Maria Koukouletsou**, *National and Kapodistrian University of*

*Athens, Department of Psychology*

**Filipa Rocha**, *University of Lisbon*

**Gabriele Galimberti**, *Università degli Studi di Milano*

**Gesu India**, *Swansea University*

**Humphrey Curtis**, *King's College London*

**Hyeon Jeong Byeon**, *Ewha Womans University*

**Hyeonhak Jeong**, *University of Seoul*

**Jaime Garcia**, *California State University, Northridge*

**JiWoong (Joon) Jang**, *Carnegie Mellon University*

**Katerina Malisova**, *Department of Product and Systems Design Engineering,*

*University of the Aegean*

**Keita Ohshiro**, *New Jersey Institute of Technology*

**Lucy Jiang**, *Cornell University*

**Luis Miguel Zamudio Fuentes**, *CICESE- Centro de Investigación Científica y de*

*Educación Superior de Ensenada*

**Madhuka De Silva**, *Monash University*

**Maria Concepcion Valdez Gastelum**, *CICESE*

**Maria Glykeria Giannouli**, *University of Athens*

**Md Javedul Ferdous**, *Old Dominion University*

**Miki Okamura**, *University of Tsukuba, Digital Nature Group*

**Mina Huh**, *UT Austin*

**Minoli Perera**, *Monash University*

**Mo Zhou**, *City University of Hong Kong*

**Noëlle Rakotondravony**, *Worcester Polytechnic Institute*

**Obianuju Okafor**, *University of North Texas*

**Pallabi Bhowmick**, *Indiana University Bloomington*

**Pauliina Baltzar**, *Tampere University*

**Petro - Foti Kamberi**, *National and Kapodistrian University of Athens, Department*

*of Informatics and Telecommunications*

**Rie Kamikubo**, *University of Maryland, College Park*

**Rosiana Natalie**, *Singapore Management University*

**Ru Wang**, *UW-Madison*

**Shruti Mahajan**, *Worcester Polytechnic Institute*

**Si Chen**, *University of Illinois Urbana-Champaign*

**Sungmin Na**, *University of Seoul*

**Tessa Eagle**, *University of California, Santa Cruz*

**Theodora Chamaidi**, *University of the Aegean*

**Yash Bohre**, *IITB-Monash Research Academy*

**yeojin kim**, *Ewha Womans University*

**Yijing Jiang**, *Eindhoven University of Technology*

**Yunjung Bae**, *University of Southern California*

**Zhuohao Zhang**, *University of Washington*



**17**

**Sponsors**

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UNIVERSITY of WASHINGTON

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National Institute on Disability, Independent Living,  
and Rehabilitation Research



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OPENING PLENARY

# ASSETS'22 LEADERSHIP TEAM

**General  
Chair**



**Jon E. Froehlich**  
University of  
Washington

**Technical Program Chairs**



**Kristen Shinohara**  
Rochester Institute  
of Technology



**Stephanie Ludi**  
University of  
North Texas

**Treasurer /  
Registration Chair**



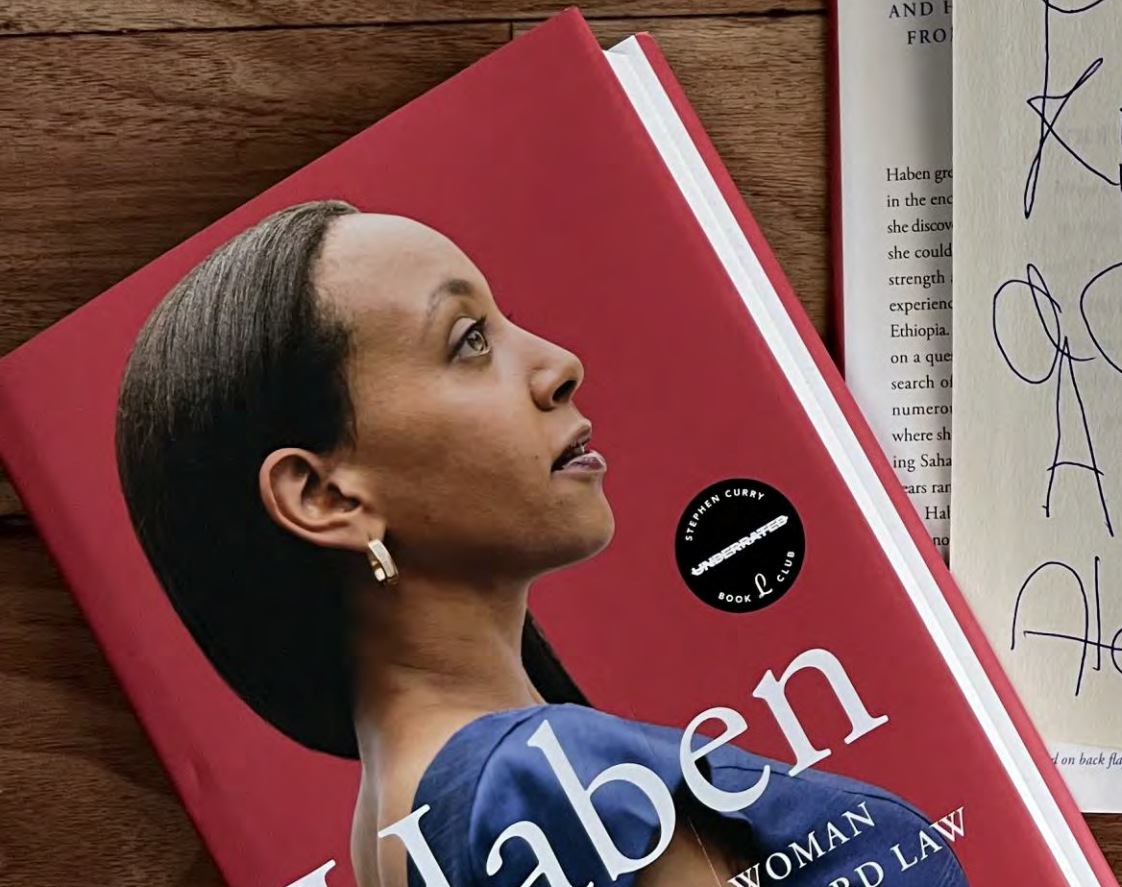
**Martez Mott**  
Microsoft Research

**Hybrid Experience  
Chair**



**Christian Vogler**  
Gallaudet University





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Haben

(on back flap)

# Haben

The Deafblind Woman  
Who Conquered Harvard Law

## Haben Girma



TWELVE  
New York Boston



# **ASSETS'22 HYBRID BINGO**







Submit your BINGO cards on the [Bingo Discord channel](#) by Wed at 12PM Athens time to be entered into a raffle for an ASSETS 22 t-shirt! You must fill at least one row, column, or diagonal to win! Each square must be a different person (either a virtual or in-person attendee).


	B	I	N	G	O
1	Find someone who you share a common interest with you. What is their name & the common interest?	Find someone who prefers tea over coffee. What is their name and favorite kind of tea?	Find someone who is attending ASSETS (virtually or in Athens) for the first time. Who is it?	Find someone who works in industry, do they have any pets. Who and what time do they go to bed?	Find someone who is a self-identified night owl. What is their name and what time do they go to bed?
2	@Leah Finlayson - poetry conversations -3	@Frankie's Rigs - Mountain hot	@Thomas Allen -	@Danielle Dragg - her assistant	@Emma McDonnell - 03.00 am
3	Find a student who is not from your institution. What is their name and favorite snack food?	Find someone who is attending ASSETS in person for the first time. What is their name & affiliation?	Find a student volunteer. What is their name and favorite book?	Find someone you've never met who is attending ASSETS virtually on Discord. What is their name?	Find someone who likes to dance. What is their name and their favorite song to dance to?
4	@Alexandre Nevsky - Cookies	@Katerina Malisova - University of Azgagan		@Megan Holman - Summer time ice cream	
5	Find a post doc, what is their favorite project that they've worked on?	Find someone who identifies as Gen Z. What is their name and ask if they have ever used a VCR?	Find a professor who is not from your institution, what is their name and favorite book and why?	Find someone who identifies as Gen Z. What is their name and ask if they have ever used a VCR?	Find someone on Discord that works in a similar research area to you. Who did you talk to and what area?

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2	[Your answer]	[Your answer]	[Your answer]	[Your answer]	[Your answer]
3	Find a student who is not from your institution. What is their name and favorite snack food?	Find someone who is attending ASSETS in person for the first time. What is their name & affiliation?	Find a student volunteer. What is their name and favorite book?	Find someone you've never met who is attending ASSETS virtually on Discord. What is their name?	Find someone who likes to dance. What is their name and their favorite song to dance to?
4	[Your answer]	Aradi and Paraskevi	[Your answer]	[Your answer]	[Your answer]
5	Find a post doc, what is their favorite project that they've worked on?	Find someone who identifies as Gen Z. What is their name and ask if they have ever used a VCR?	Introduce yourself on the #introduce-yourself Discord channel!	Find a professor who is not from your institution, what is their name and favorite book and why?	Find someone on Discord that works in a similar research area to you. Who did you talk to and what area?
6	[Your answer]		I introduced myself 10/21	[Your answer]	[Your answer]
7	Find someone who uses sign language. What is their name and affiliation?	Find someone on Discord who has the same birth month as you. Who is it and what month?	Find someone who has been to 3 or more continents. What is their name & where did they go?	Find someone who has the same birth month as you. Who is it and what month?	Find someone who has been to 3 or more continents. What is their name & where did they go?
8	Christian Vogel	[Your answer]	[Your answer]	[Your answer]	[Your answer]
9	Find someone who has gone on a run or worked out today, what is their name and how far did they run? [Hint: ask Bigham]	Take a selfie with someone at the conference (Zoom/Discord selfies are encouraged!) and post it to the #selfie Discord channel. Remember alt txt.	Find someone who is attending ASSETS from a different timezone than you. What is their name and where are they attending ASSETS?	Take a selfie with someone at the conference (Zoom/Discord selfies are encouraged!) and post it to the #selfie Discord channel. Remember alt txt.	Find someone who is attending ASSETS from a different timezone than you. What is their name and where are they attending ASSETS?
10	[Your answer]	[Your answer]	[Your answer]	[Your answer]	[Your answer]

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2	Kristen Shirohara, running	Marrie Morris, who likes Genmaicha tea	Muha Yang (MoGii)	Shaun Kane has cats	Emma McDonnell, 3am
3	Find a student who is not from your institution. What is their name and favorite snack food?	Find someone who is attending ASSETS in person for the first time. What is their name & affiliation?	Find a student volunteer. What is their name and favorite book?	Find someone you've never met who is attending ASSETS virtually on Discord. What is their name?	Find someone who likes to dance. What is their name and their favorite song to dance to?
4	Kevin Zhang, gummy bears	[Your answer]	[Your answer]	[Your answer]	[Your answer]
5	Find a post doc, what is their favorite project that they've worked on?	Find someone who identifies as Gen Z. What is their name and ask if they have ever used a VCR?	Introduce yourself on the #introduce-yourself Discord channel!	Find a professor who is not from your institution, what is their name and favorite book and why?	Find someone on Discord that works in a similar research area to you. Who did you talk to and what area?
6	[Your answer]	[Your answer]		[Your answer]	[Your answer]
7	Find someone who likes the same band/artist as you. Who did you talk to and what is the artist?	Find someone who speaks two languages. List their name and languages.	Find someone who uses sign language. What is their name and affiliation?	Find someone on Discord who has the same birth month as you. Who is it and what month?	Find someone who has been to 3 or more continents. What is their name & where did they go?
8	[Your answer]	[Your answer]	[Your answer]	[Your answer]	[Your answer]
9	Find someone who speaks Greek. What is their name?	Find someone who has attended ASSETS 6+ times: who is it and how many times have they attended ASSETS?	Find someone who has gone on a run or worked out today, what is their name and how far did they run? [Hint: ask Bigham]	Take a selfie with someone at the conference (Zoom/Discord selfies are encouraged!) and post it to the #selfie Discord channel. Remember alt txt.	Find someone who is attending ASSETS from a different timezone than you. What is their name and where are they attending ASSETS?
10	[Your answer]	[Your answer]	[Your answer]	[Your answer]	[Your answer]

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2	Murata Tarnjeed: Going on boats	Debra Yarrington, black tea	[Your answer]	[Your answer]	[Your answer]
3	Find a student who is not from your institution. What is their name and favorite snack food?	Find someone who is attending ASSETS in person for the first time. What is their name & affiliation?	Find a student volunteer. What is their name and favorite book?	Find someone you've never met who is attending ASSETS virtually on Discord. What is their name?	Find someone who likes to dance. What is their name and their favorite song to dance to?
4	[Your answer]	Leigh Clark, Bold Insight	[Your answer]	[Your answer]	[Your answer]
5	Find a post doc, what is their favorite project that they've worked on?	Find someone who identifies as Gen Z. What is their name and ask if they have ever used a VCR?	Introduce yourself on the #introduce-yourself Discord channel!	Find a professor who is not from your institution, what is their name and favorite book and why?	Find someone on Discord that works in a similar research area to you. Who did you talk to and what area?
6	[Your answer]	[Your answer]		LouAnne Boyd, Chapman University, TextMate When You Get Home	[Your answer]
7	Find someone who likes the same band/artist as you. Who did you talk to and what is the artist?	Find someone who speaks two languages. List their name and languages.	Find someone who uses sign language. What is their name and affiliation?	Find someone on Discord who has the same birth month as you. Who is it and what month?	Find someone who has been to 3 or more continents. What is their name & where did they go?
8	[Your answer]	Mauricio Fontana de Vargas, Portuguese & English	[Your answer]	Sohyeon Park, September	[Your answer]
9	Find someone who speaks Greek. What is their name?	Find someone who has attended ASSETS 6+ times: who is it and how many times have they attended ASSETS?	Find someone who has gone on a run or worked out today, what is their name and how far did they run? [Hint: ask Bigham]	Take a selfie with someone at the conference (Zoom/Discord selfies are encouraged!) and post it to the #selfie Discord channel. Remember alt txt.	Find someone who is attending ASSETS from a different timezone than you. What is their name and where are they attending ASSETS?
10	[Your answer]	Kathy McCoy, 10+	[Your answer]	[Your answer]	Abi Roper, Scotland <img alt="arrow" data-bbox="440 910 455 925"/>

	B	I	N	G	O
1	Find someone who you share a common interest with you. What is their name & the common interest?	Find someone who prefers tea over coffee. What is their name and favorite kind of tea?	Find someone who is attending ASSETS (virtually or in Athens) for the first time. Who is it?	Find someone who works in industry, do they have any pets. Who and what time do they go to bed?	Find someone who is a self-identified night owl. What is their name and what time do they go to bed?
2	Oliver Alonzo - He likes brazilian food :)	Tooba from Tufts University. Her favorite tea is camomile.	Tiger - University of Wisconsin-Madison	Shari Trewin, working at Google. She has no pets at the moment.	Kevin, University of Wisconsin-Madison
3	Find a student who is not from your institution. What is their name and favorite snack food?	Find someone who is attending ASSETS in person for the first time. What is their name & affiliation?	Find a student volunteer. What is their name and favorite book?	Find someone you've never met who is attending ASSETS virtually on Discord. What is their name?	Find someone who likes to dance. What is their name and their favorite song to dance to?
4	[Your answer]	[Your answer]	Maryam from UCL. Her favorite book "Image of the city" by Kevin Linch	[Your answer]	[Your answer]
5	Find a post doc, what is their favorite project that they've worked on?	Find someone who identifies as Gen Z. What is their name and ask if they have ever used a VCR?	Introduce yourself on the #introduce-yourself Discord channel!	Find a professor who is not from your institution, what is their name and favorite book and why?	Find someone on Discord that works in a similar research area to you. Who did you talk to and what area?
6	[Your answer]	[Your answer]		[Your answer]	[Your answer]
7	Find someone who likes the same band/artist as you. Who did you talk to and what is the artist?	Find someone who speaks two languages. List their name and languages.	Find someone who uses sign language. What is their name and affiliation?	Find someone on Discord who has the same birth month as you. Who is it and what month?	Find someone who has been to 3 or more continents. What is their name & where did they go?
8	[Your answer]	[Your answer]	[Your answer]	[Your answer]	[Your answer]
9	Find someone who speaks Greek. What is their name?	Find someone who has attended ASSETS 6+ times: who is it and how many times have they attended ASSETS?	Find someone who has gone on a run or worked out today, what is their name and how far did they run? [Hint: ask Bigham]	Take a selfie with someone at the conference (Zoom/Discord selfies are encouraged!) and post it to the #selfie Discord channel. Remember alt txt.	Find someone who is attending ASSETS from a different timezone than you. What is their name and where are they attending ASSETS?
10	[Your answer]	[Your answer]	[Your answer]	[Your answer]	[Your answer]



ASSETS'22 BINGO WINNER

# LEANDRO SOARES GUEDES

B	I	N	G	O
<p>Find someone who you share a common interest with you. What is their name &amp; the common interest?</p> <p>Oliver Alonzo -- He likes brazilian food :)</p>	<p>Find someone who prefers tea over coffee. What is their name and favorite kind of tea?</p> <p>Tooba from Tufts University. Her favorite tea is camomile.</p>	<p>Find someone who is attending ASSETS (virtually or in Athens) for the first time. Who is it?</p> <p>Tiger - University of Wisconsin-Madison</p>	<p>Find someone who works in industry, do they have any pets. Who and what pets?</p> <p>Shari Trewin, working at Google. She has no pets at the moment.</p>	<p>Find someone who is a self-identified night owl. What is their name and what time do they go to bed?</p> <p>Kexin, University of Wisconsin-Madison</p>
<p>Find a student who is not from your institution. What is their name and favorite snack food?</p> <p>[Your answer]</p>	<p>Find someone who is attending ASSETS in person for the first time. What is their name &amp; affiliation?</p> <p>[Your answer]</p>	<p>Find a student volunteer. What is their name and favorite book?</p> <p>Maryam from UCL. Her favorite book "Image of the city" by Kevin Linch</p>	<p>Find someone you've never met who is attending ASSETS virtually on Discord. What is their name?</p> <p>[Your answer]</p>	<p>Find someone who likes to dance. What is their name and their favorite song to dance to?</p> <p>[Your answer]</p>
<p>Find a post doc, what is their favorite project that they've worked on?</p> <p>[Your answer]</p>	<p>Find someone who identifies as Gen Z. What is their name and ask if they have ever used a VCR?</p> <p>[Your answer]</p>	<p>Introduce yourself on the <a href="#">#introduce-yourself Discord channel</a></p> 	<p>Find a professor who is not from your institution, what is their name and favorite book and why?</p> <p>[Your answer]</p>	<p>Find someone on Discord that works in a similar research area to you. Who did you talk to and what area?</p> <p>[Your answer]</p>
<p>Find someone who likes the same band/artist as you. Who did you talk to and what is the artist?</p> <p>[Your answer]</p>	<p>Find someone who speaks two languages. List their name and languages.</p> <p>[Your answer]</p>	<p>Find someone who uses sign language. What is their name and affiliation?</p> <p>[Your answer]</p>	<p>Find someone on Discord who has the same birth month as you. Who is it and what month?</p> <p>[Your answer]</p>	<p>Find someone who has been to 3 or more continents. What is their name &amp; where did they go?</p> <p>[Your answer]</p>
<p>Find someone who speaks Greek. What is their name?</p> <p>[Your answer]</p>	<p>Find someone who has attended ASSETS 6+ times: who is it and how many times have they attended ASSETS?</p> <p>[Your answer]</p>	<p>Find someone who has gone on a run or worked out today, what is their name and how far did they run? [Hint: ask Bigham]</p> <p>[Your answer]</p>	<p>Take a selfie with someone at the conference (Zoom/Discord selfies are encouraged!) and post it to the <a href="#">#selfie Discord channel</a>. Remember alt txt.</p> <p>[Your answer]</p>	<p>Find someone who is attending ASSETS from a different timezone than you. What is their name and where are they attending ASSETS?</p> <p>[Your answer]</p>



# ASSETS'22 BINGO WINNER

# JAISIE SIN

A	B	C	D	E	
Submit your BINGO cards on the <a href="#">#bingo Discord channel</a> by Wed at 12PM Athens time to be entered into a raffle for an ASSETS'22 t-shirt! You must fill at least one row, column, or diagonal to win! Each square must be a different person (either a virtual or in-person attendee).					
	<b>B</b>	<b>I</b>	<b>N</b>	<b>G</b>	<b>O</b>
	Find someone who you share a common interest with you. What is their name & the common interest?  Murata Tamjeed: Going on boats	Find someone who prefers tea over coffee. What is their name and favorite kind of tea?  Debra Yarrington, black tea	Find someone who is attending ASSETS (virtually or in Athens) for the first time. Who is it?  [Your answer]	Find someone who works in industry, do they have any pets. Who and what pets?  [Your answer]	Find someone who is a self-identified night owl. What is their name and what time do they go to bed?  [Your answer]
	Find a student who is not from your institution. What is their name and favorite snack food?  [Your answer]	Find someone who is attending ASSETS in person for the first time. What is their name & affiliation?  Leigh Clark, Bold Insight	Find a student volunteer. What is their name and favorite book?  [Your answer]	Find someone you've never met who is attending ASSETS virtually on Discord. What is their name?  [Your answer]	Find someone who likes to dance. What is their name and their favorite song to dance to?  [Your answer]
	Find a post doc, what is their favorite project that they've worked on?  [Your answer]	Find someone who identifies as Gen Z. What is their name and ask if they have ever used a VCR?  [Your answer]	Introduce yourself on the <a href="#">#introduce-yourself Discord channel</a>  	Find a professor who is not from your institution, what is their name and favorite book and why?  LouAnne Boyd, Chapman University, TextMate When You Get Home	Find someone on Discord that works in a similar research area to you. Who did you talk to and what area?  [Your answer]
	Find someone who likes the same band/artist as you. Who did you talk to and what is the artist?  [Your answer]	Find someone who speaks two languages. List their name and languages.  Mauricio Fontana de Vargas, Portuguese & English	Find someone who uses sign language. What is their name and affiliation?  [Your answer]	Find someone on Discord who has the same birth month as you. Who is it and what month?  Sohyeon Park, September	Find someone who has been to 3 or more continents. What is their name & where did they go?  [Your answer]
	Find someone who speaks Greek. What is their name?  [Your answer]	Find someone who has attended ASSETS 6+ times: who is it and how many times have they attended ASSETS?  Kathy McCoy, 10+	Find someone who has gone on a run or worked out today, what is their name and how far did they run? [Hint: ask Bigham]  [Your answer]	Take a selfie with someone at the conference (Zoom/Discord selfies are encouraged!) and post it to the <a href="#">#selfie Discord channel</a> . Remember alt txt.  [Your answer]	Find someone who is attending ASSETS from a different timezone than you. What is their name and where are they attending ASSETS?  Abi Roper, Scotland 🇬🇧

# **BEST ARTIFACT AWARDS**





# Best Artifact Award Candidates

October 23-26, 2022

This year, we have 15 high-quality candidates for the Best Artifact Award. Please check the candidate artifacts and the corresponding submission papers and cast your vote by October 24th.

[Link to the voting page \(for conference attendees only\).](#)

Please cast your vote considering the following criteria: artifact's potential to improve the quality of life for people with disabilities or older adults; artifact availability for the target user group; artifact's quality level and robustness.

List of the candidate artifacts:

**Designing a Game for Pre-Screening Students with Specific Learning Disabilities in Chinese**

ASSETS'22

# BEST ARTIFACT AWARD COMMITTEE

Chair



**Dragan Ahmetovic**  
Università degli Studi  
di Milano

Panel Judges



**Jeffrey P. Bigham**  
CMU HCII & Apple



**Tiago Guerreiro**  
Universidade de Lisboa



**Jinjuan Heidi Feng**  
Towson University



**Victoria Yaneva**  
NBME & University of  
Wolverhampton



ASSETS'22

# BEST ARTIFACT AWARD: 3<sup>RD</sup> PLACE



3rd

**UnlockedMaps: Visualizing Real-Time Accessibility of Urban Rail Transit Using a Web-Based Map**

Ather Sharif, Aneesha Ramesh, Trung-Anh Nguyen, Luna Chen, Kent Richard Zeng, Lanqing Hou, Xuhai Xu

# BEST ARTIFACT AWARDS: TIE FOR FIRST



1st

**AAC with Automated Vocabulary from Photographs: Insights from School and Speech-Language Therapy Settings**

Mauricio Fontana de Vargas, Jiamin Dai, Karyn Moffatt, McGill University



1st

**CodeWalk: Facilitating Shared Awareness in Mixed-Ability Collaborative Software Development**

Venkatesh Potluri<sup>1</sup>, Maulishree Pandey<sup>1</sup>, Andrew Begel<sup>2</sup>, Michael Barnett<sup>2</sup>, Scott Reitherman<sup>2</sup>

<sup>1</sup>University of Washington, <sup>2</sup>Microsoft Research, Redmond



# **STUDENT RESEARCH COMPETITION**

ASSETS'22

# BEST ARTIFACT AWARD COMMITTEE

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## Chairs



**Roshan Peiris**  
RIT



**Mingming Fan**  
Hong Kong UST

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## Judges



**Xin Tong**  
Duke Kunshan U.



**Zikai Alex Wen**  
Hong Kong UST



**Suranga Nanayakkara**  
National U. of Singapore



ASSETS'22

# SRC: UNDERGRADUATE CATEGORY



1st

Challenges and Opportunities in Creating An Accessible Web Application for Learning Organic Chemistry

Allyson Grace Yu, Temple University

# SRC: GRADUATE CATEGORY



2nd

**FootUI: Designing and Detecting Foot Gestures to Assist People with Upper Body Motor Impairments to Use Smartphones on the Bed**

Hu Xiaozhu, University of Science and Technology Hong Kong, Tsinghua University

Jiting Wang, Tsinghua University

Weiwei Gao, Tsinghua University

Yongquan Hu, University of New South Wales



1st

**Investigating Sign Language Interpreter Rendering and Guiding Methods in Virtual Reality 360-Degree Content**

Craig Anderton, Birmingham City University



# **BEST PAPER AWARDS**

ASSETS'22

# BEST PAPER COMMITTEE



**Anthony Hornof**  
U. of Oregon



**Amy Hurst**  
U. of Oregon



**Cynthia Putnam**  
DePaul



**Sayan Sarcar**  
Birmingham City U.



**Gerhard Weber**  
Technische U. Dresden



# 8 BEST PAPER NOMINEES: FIRST FOUR

- 1 Quantifying Touch: New Metrics for Characterizing What Happens During a Touch**  
Junhan Kong, Mingyuan Zhong, James Fogarty, Jacob Wobbrock, University of Washington
- 2 Accessible Blockly: An Accessible Block-Based Programming Library for People with Visual Impairments**  
Aboubakar Mountapmbeme, Obiamuju Okafor, Stephanie Ludi, University of North Texas
- 3 LaMPost: Design and Evaluation of an AI-assisted Email Writing Prototype for Adults w/ Dyslexia**  
Steven Goodman<sup>1</sup>, Andy Coenen<sup>2</sup>, Aaron Donsbach<sup>2</sup>, Tiffanie Home<sup>2</sup>, Michael Lahav<sup>2</sup>, Robert MacDonal<sup>2</sup>, Rain Breaw Michaels<sup>2</sup>, Agit Narayanan<sup>2</sup>, Mahima Pushkama<sup>2</sup>, Rachel Sweeney<sup>2</sup>, Meredith Ringel Morris<sup>2</sup>  
<sup>1</sup>University of Washington; <sup>2</sup>Google
- 4 A Collaborative Approach to Support Medication Management in Older Adults with Mild Cognitive Impairment Using Conversational Assistants (CAs)**  
Niharika Mathur<sup>1</sup>, Tamara Zubatiy<sup>1</sup>, Jiachen Li<sup>1</sup>, Brian Jones<sup>1</sup>, Elizabeth Mynatt<sup>2</sup>  
<sup>1</sup>Georgia Tech; <sup>2</sup>Northeastern University

# 8 BEST PAPER NOMINEES: NEXT FOUR

- 5** **Blind Users Accessing Their Training Images in Teachable Object Recognizers**  
Jonggi Hong<sup>1</sup>, Jaina Gandhi<sup>2</sup>, Ernest Mensah<sup>2</sup>, Famaz Zeraati<sup>2</sup>, Ebrima Jarjue<sup>2</sup>, Kyungiun Lee<sup>2</sup>, Hernisa Kacorri<sup>2</sup>  
<sup>1</sup>Smith-Kettlewell Eye Research Institute; <sup>2</sup>University of Maryland, College Park
- 6** **AAC with Automated Vocabulary from Photographs: Insights from School and Speech-Language Therapy Settings**  
Mauricio Fontana de Vargas, Jiamin Dai, Karyn Moffatt, McGill University
- 7** **Chronically Under-Addressed: Considerations for HCI Accessibility Practice w/Chronically Ill People**  
Kelly Mack, Emma McDonnell, Leah Findlater, Heather Evans, University of Washington
- 8** **Support in the Moment: Benefits and use of video-span selection and search for sign-language video comprehension among ASL learners**  
Saad Hassan, Akhter Al Amin, Caluã de Lacerda Pataca, Diego Navarro, Alexis Gordon, Sooyeon Lee, Matt Huenerfauth, Rochester Institute of Technology





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## Best Student Paper

# ASSETS

The 24th International ACM SIGACCESS Conference on  
Computers and Accessibility

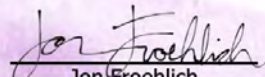
October 23-26, 2022      Athens, Greece

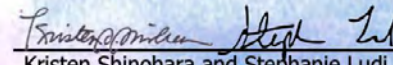
*Presented to*

**Mauricio Fontana de Vargas, Jiamin Dai, Karyn Moffatt**  
**(School of Information Studies, McGill University, Montreal,**  
**Quebec, Canada)**

*For*

**"AAC with Automated Vocabulary from Photographs:  
Insights from School and Speech-Language Therapy  
Settings"**

  
Jon Froehlich  
General Chair

  
Kristen Shinohara and Stephanie Ludi  
Program Co-Chairs





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Best Paper

ASSETS

The 24th International ACM SIGACCESS Conference on  
Computers and Accessibility

October 23-26, 2022

Athens, Greece

*Presented to*

Niharika Mathur, Kunal Dhodapkar, Tamara Zubatiy,  
Jiachen Li, Brian D Jones  
(Georgia Institute of Technology, Atlanta, Georgia, United States)

Elizabeth D Mynatt  
(Northeastern University, Boston, Massachusetts, United States)

*For*

“A Collaborative Approach to Support Medication  
Management in Older Adults with Mild Cognitive  
Impairment Using Conversational Assistants (CAs)”

A handwritten signature in black ink, appearing to read 'Jon Froehlich'.

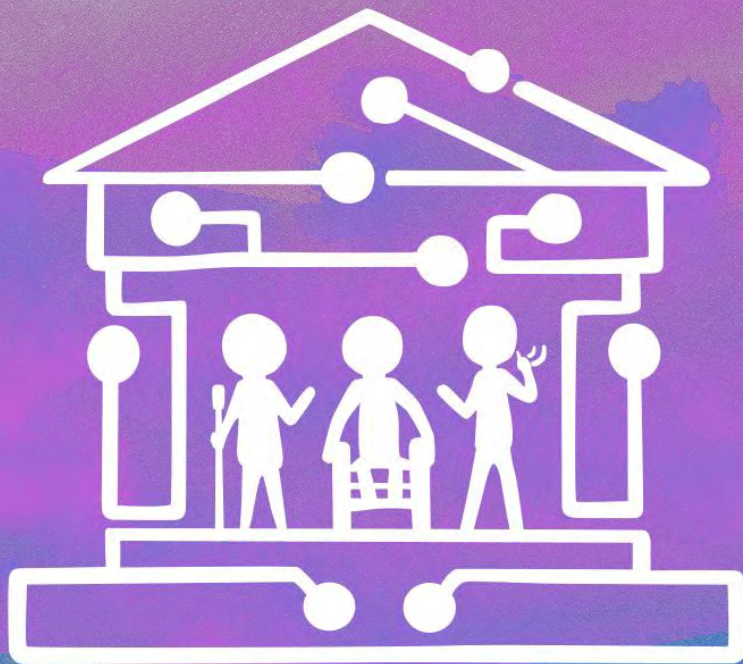
Jon Froehlich  
General Chair

Two handwritten signatures in black ink, one above the other, appearing to read 'Kristen Shinohara' and 'Stephanie Ludi'.

Kristen Shinohara and Stephanie Ludi  
Program Co-Chairs







# ASSETS 2022

The 24th International ACM SIGACCESS  
Conference on Computers and Accessibility

📍 Athens, Greece

📅 Oct 23-26

**ASSETS' 23**



