

IEEE VR 2019

OSAKA





Closing

Kiyoshi Kiyokawa, Hideyuki Ando,
Betty Mohler & Susumu Tachi
General Co-Chairs



Poster Awards

Poster Chairs: Maki Sugimoto, Xubo Yang, Gabriel Zachmann

Poster Chairs



Maki Sugimoto



Xubo Yang



Gabriel Zachmann

Poster Wrapup

- 227 posters (109 from journal track, 118 from poster track)
- Thank you to all presenters and visitors

Poster Award Panel



Mark Bolas



Evan Suma Rosenberg



Frank Steinicke

Honorable Mention #1

ReliveInVR: Capturing and reliving virtual reality experiences together

Cheng Yao Wang¹, Mose Sakashita¹, Upol Ehsan¹, Jingjin Li¹,
Andrea Stevenson Won²

¹*Department of Information Science, Cornell University*

²*Department of Communication, Cornell University*

Honorable Mention #2

Advancing Ethical Decision Making in Virtual Reality

Sin-Hwa Kang, Jake Chanenson, Peter Cowal, Madeleine Weaver, Pranav Ghate,
David M. Krum

*USC Institute for Creative Technologies, Swarthmore College, Pomona College,
Massachusetts Bay Community College*

Best Poster Award

**Working Memory Load Performance Based on Collocation of Virtual
and Physical Hands**

Altan Tutar, Tabitha C. Peck

Davidson College, Department of Mathematics and Computer Science



Research Demo Awards

Research Demonstrations Chairs:

Masahiro Furukawa

Christoph Borst

Jens Grubert

Research Demo Wrapup

- 35 demos
- Thank you to all presenters and visitors!
- Five awards
 - Two IEEE VR Best VRSJ Demo Awards (IEEE VR/VRSJ joint panel)
 - Two Best Research Demonstration Runner-ups
 - One Best Research Demonstration



IEEE VR Best VRSJ Demo Awards

Panels:

Masahiro Furukawa, IEEE VR 2019 Research Demo Chair

Kazuki Takashima, VRSJ 2018 Committee

IEEE VR Best VRSJ Demo Award

**ExLeap: Minimal and highly available
telepresence system creating leaping experience**

*Atsushi Izumihara, Daisuke Uriu,
Atsushi Hiyama, and Masahiko Inami*

The University of Tokyo

IEEE VR Best VRSJ Demo Award

**Full Parallax Table Top 3D Display
Using Visually Equivalent Light Field**

Munekazu Date, Megumi Isogai, Hideaki Kimata

*NTT Media Intelligence Laboratories,
Nippon Telegraph and Telephone Corp.*



RESEARCH DEMO AWARDS

Research Demonstrations Chairs:

Masahiro Furukawa

Christoph Borst

Jens Grubert

Research Demo Award Judges



Marc Stamminger, Universität Erlangen-Nürnberg

Mores Prachyabrued, Mahidol University

Tobias Langlotz, University of Otago

Rory Clifford, Hit Lab NZ

Best Research Demonstration Runner-up

**VR Ski Coach: Indoor Ski Training System
Visualizing Difference from Leading Skier**

Takayuki Nozawa, Erwin Wu, Hideki Koike

Tokyo Institute of Technology

Best Research Demonstration Runner-up

**Shadowless Projector: Suppressing Shadows
in Projection Mapping with Micro Mirror Array Plate**

*Kosuke Hiratani, Daisuke Iwai,
Parinya Punpongsanon, Kosuke Sato*

Osaka University

Best Research Demonstration

**Perceptually Based Adaptive Motion Retargeting to Animate
Real Objects by Light Projection**

Taiki Fukiage, Takahiro Kawabe, Shin'ya Nishida

NTT Communication Science Laboratories

Doctoral Consortium

Chairs: Aleshia Hayes, Jason Orlosky, Pete Willemsen, Tonja Machulla



Doctoral Consortium Wrap Up

- 17 student submissions (13 accepted)
- Concentrated full-day event, mentor feedback, networking opportunities, and poster presentations
- Great presentations and excellent research quality from the students this year.

13 Doctoral Consortium Mentors



- Doug Bowman, David Krum, Aleshia Hayes, Jason Orlosky, Steve Feiner, Pete Willemse, Joe Gabbard, Andrea Won, Rob Lindeman, Gudrun Klinker, Ed Swan, Bruce Thomas, and Tobias Langlotz

Best DC Presentation Award

Selected by a group of mentors that attended all presentations. Decision based on:

1. Overall quality of the presentation
2. Potential impact and originality of the research
3. Ability of the student to respond to audience questions

Drumroll - - -

Best DC Presentation Award

Embodied Virtual Avatars and Potential
Negative Effects on Implicit Racial Bias

Divine Maloney



Best 3DUI Contest

3DUI Contest Co-Chairs

3DUI Contest 2019



3DUI Contest Chairs:

- **Rongkai Guo, Kennesaw State University, USA**
- **Benjamin Weyers, RWTH Aachen University, Germany**
- **Kazuki Takashima, Tohoku University, Japan**
- **Pablo Figueroa, Universidad de los Andes, Colombia**

3DUI Contest 2019

- 8 contestants demoed
- 2 days
- More than 400 votes

- 1st and 2nd best demos selected by
 - Judges (60%)
 - Your votes (40%)



3DUI Contest 2019

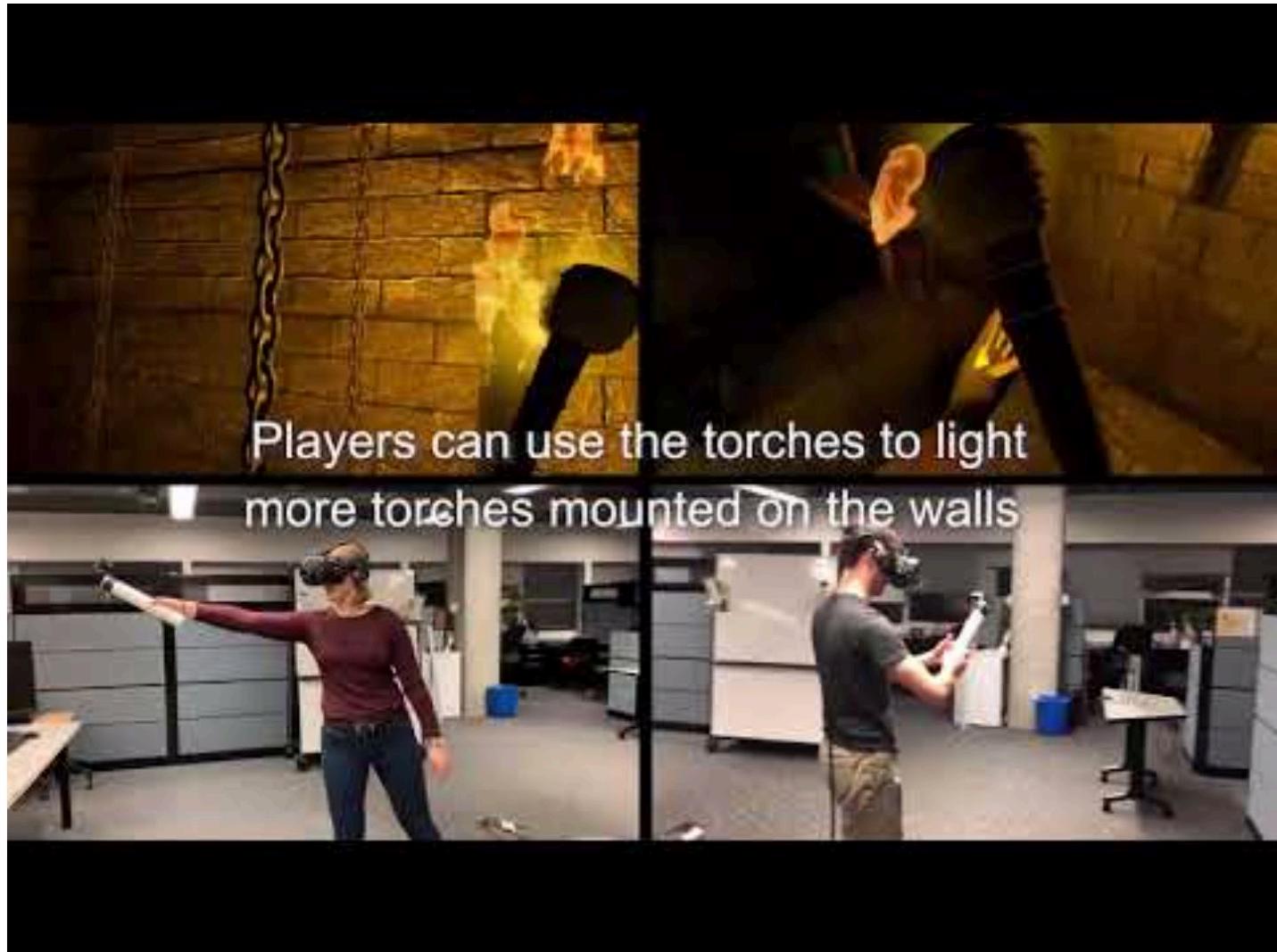
- Thanks to all participants!!!
- 3DUI Contest Chairs
- Thanks to our juries
 - Amy Ulinski, University of Wyoming, USA
 - Torsten Khulen, Aachen University, Germany
 - Seoklee Jeon, Kyung Hee University, South Korea

3DUI Contest 2019: Runner Up...

Team VRAC

- Austin Hanus
- Mindy Hoover
- Alex Lim
- Jack Miller

Iowa State University



3DUI Contest 2019: 1st Prize

Team Hybrid

- Hugo Brument
- Rebecca Fribourg
- Gerard Gallagher
- Thomas Howard
- Flavien Lecuyer
- Tiffany Luong
- Victor Mercado
- Etienne Peillard
- Xavier de Tinguy
- Maud Marchal

Univ. Rennes, Inria,
INSA, CNRS, IRISA, Ecole
Centrale de Nantes,
UMR AAU-CRENAU, IRT
b<>com, France

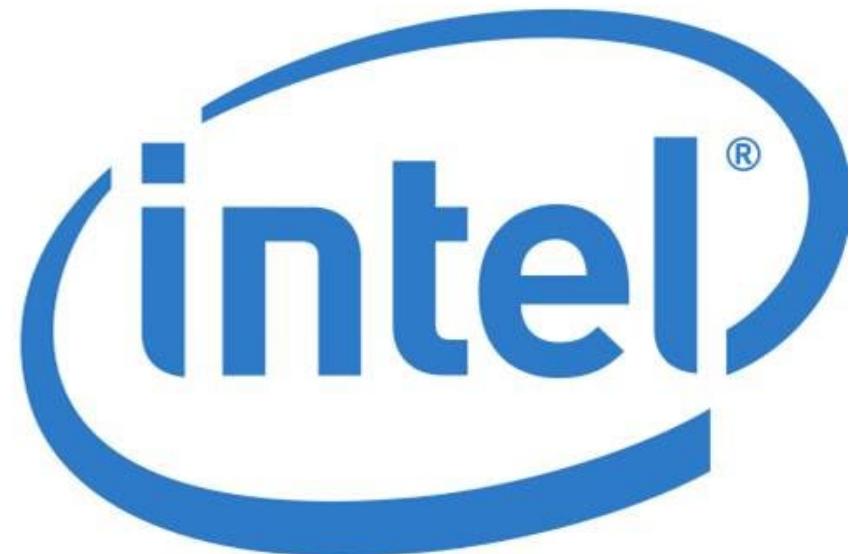
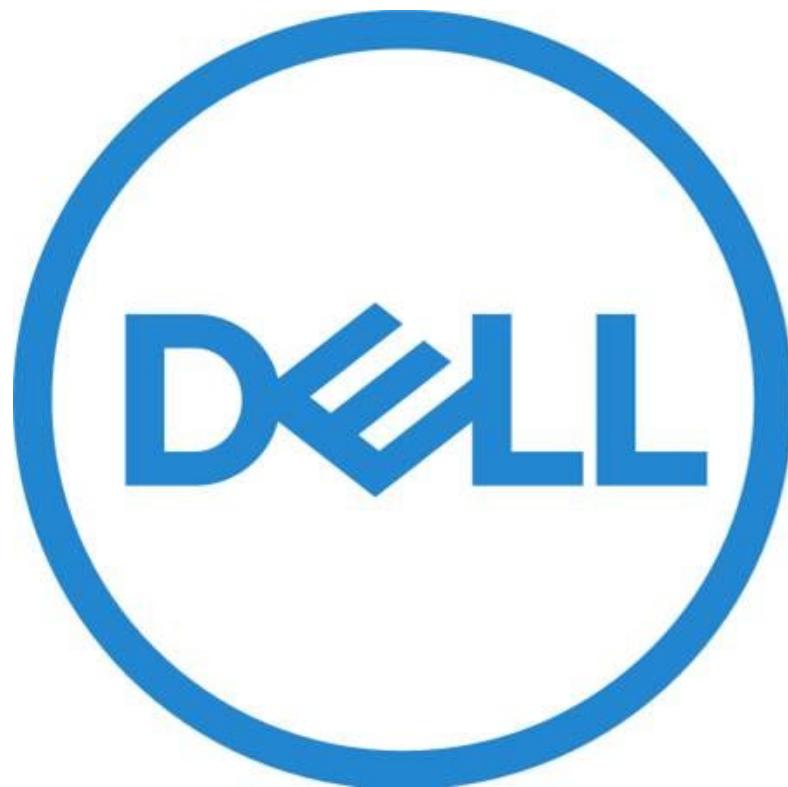


Diamond Sponsor



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Platinum Sponsor



Platinum Sponsor

mercari

Platinum Sponsor



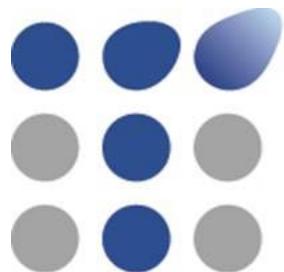
Platinum Sponsor



Gold Sponsors



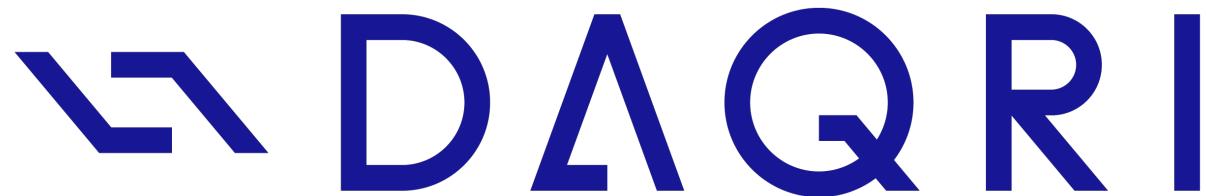
Tateisi
Science and Technology
Foundation



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電気通信普及財団

The Telecommunications Advancement Foundation

Silver & Bronze Sponsors



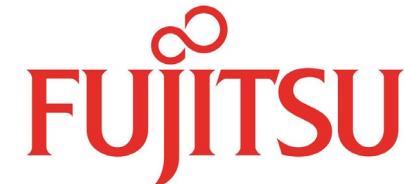
Osaka
Electro-Communication
University



Flower & Other Sponsors



Exhibitors





Look back

Kiyoshi Kiyokawa, Hideyuki Ando,
Betty Mohler & Susumu Tachi

IEEE VR 2019
OSAKA

the 26th IEEE Conference on
Virtual Reality and
3D User Interfaces



IEEE VR 2019
OSAKA

Why We ❤ IEEE VR

Rob Lindeman
Social Event Co-Chair

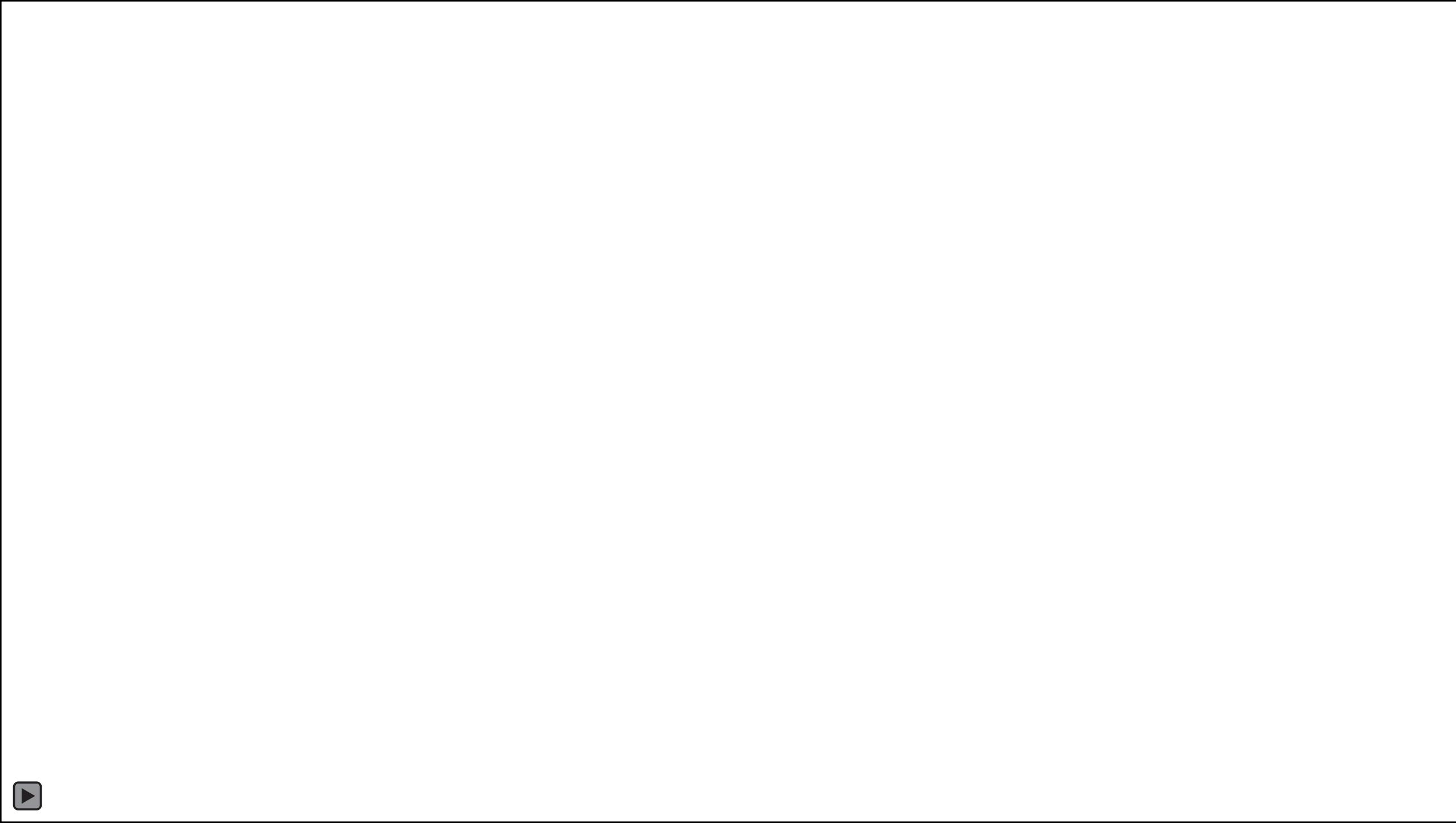






IEEE VR 2019
OSAKA
Osaka Gourmet Night







Total Attendance

- Total **1076**
 - Male / Female = 82.0 / 18.0%
 - Japan 422
 - USA 170
 - Germany 91
 - South Korea 74
 - China 71
 - UK 33
 - France 31
 - Australia 20
 - ...

(total 34 countries & regions)

• Paid	924
• Complimentary	152
• Invited	16
• Student Volunteers	41
• Workshops / Tutorials	21
• 3DUI Contest	15
• Sponsors / Exhibitors	57
• Research Demos	2
• Exhibit-only	83
• Press	7
• Family	56

Drink & Snack

- Tea (2l): 207 bottles = 414 l
- Green tea (2l): 66 bottles = 132 l
- Oolong Tea (2l): 66 bottles = 132 l
- Cola (1.5l): 111 bottles = 166.5 l
- Orange juice (1.5l): 98 bottles = 147 l
- Apple juice (1.5l): 98 bottles = 147 l
- Milk (1.0l): 32 packs = 32 l
- Water (0.5l): 120 bottles = 60l
- total: **1,230.5l (1.23 kl)**
- Coffee: 5260 cups
- Tea: 2440 cups
- Sandwich: 1300 servings
- Onigiri: 2400 nigiri
- Salty snacks: 2100 servings
- Sweets: 3400 pcs
- Fruits: 1800 servings



Appreciation

Kiyoshi Kiyokawa, Hideyuki Ando,
Betty Mohler & Susumu Tachi

Organizing Committee

General Chairs

Kiyoshi Kiyokawa, *Nara Institute of Science and Technology, Japan*
Hideyuki Ando, *Osaka University, Japan*

Betty Mohler, *Max Planck Institutes for Biological Cybernetics and Intelligent Systems, Germany*
Honorary: Susumu Tachi, *The University of Tokyo, Japan*

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Liason to APMAR 2019

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- Xubo Yang, *SHANGHAI JIAO TONG UNIVERSITY, China*
- Stefanie Zollmann, *University of Otago, New Zealand*

IEEE VR 2019

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Thank you!



Related Events

Important Dates

Papers (Full/Short) submission : May 10

Papers (Full/Short) notification : Jun 24

Poster papers submission : Jul 4

Poster papers notification : Jul 15

Author registration : Jul 24

Camera-ready papers submission : Jul 24



CYBERWORLDS
2-4 October
Kyoto
International Conference
2019

In cooperation with





17th ACM SIGGRAPH
International Conference on
VIRTUAL REALITY
CONTINUUM AND ITS
APPLICATIONS IN INDUSTRY

co-located with
ACM SIGGRAPH Asia 2019

Venue:
Griffith Film School, Griffith
University, Brisbane, Australia

Website:
<http://vrcai.acm.org>







IEEE Intl. Symposium on Mixed and Augmented Reality
2019 Beijing Friendship Hotel
Beijing, China
14-18 October 2019



Welcome to ISMAR 2019

- The IEEE ISMAR is the leading international academic conference in the fields of Augmented Reality and Mixed Reality. The symposium is organized and supported by the IEEE Computer Society, IEEE VGTC .
- The congress organized by BSIG, BUAA and BIT will be held at Friendship Hotel in Beijing (China), on October 14-18, 2019.



More info:
www.ISMAR19.org



Beijing Friendship Hotel

Beijing : An ancient cultural city with a long history.

故宫角楼 |

Corner Buildings in the Forbidden City

天坛 |

Beijing : An ancient cultural city with a long history.



Temple of Heaven

Beijing : An ancient cultural city with a long history.



The Great Wall

An aerial night photograph of Beijing's urban landscape. In the foreground, the iconic CCTV Headquarters building is visible, characterized by its distinctive diamond-shaped glass facade and a large circular entrance plaza. To the right, a modern skyscraper with a blue-tinted glass exterior stands prominently. The city is densely packed with numerous other buildings, both residential and commercial, their windows glowing with warm light. A complex network of elevated highways and overpasses cuts through the city, with streaks of light from moving vehicles creating dynamic diagonal lines against the dark sky. The overall scene conveys a sense of a bustling, modern metropolis at night.

Beijing : One of the world's most vibrant international metropolises.

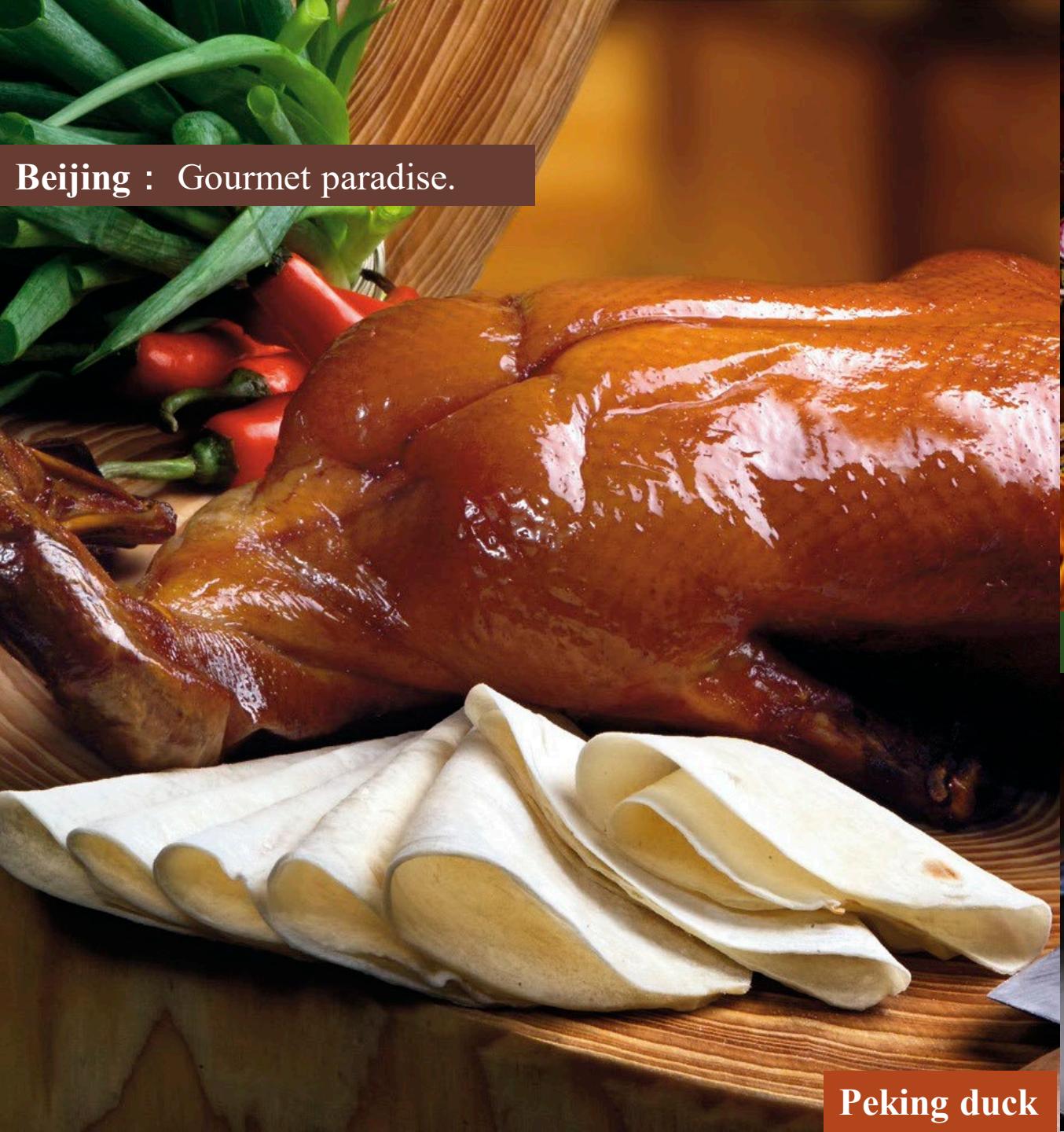
CCTV Center



Beijing : One of the entertainment and fashion capitals of the world.



Beijing : where you can find the coolest business in VR and AR.



Beijing : Gourmet paradise.



Royal cuisine



Peking duck

TRANSPORTATION IN BEIJING

Rail and high-speed rail

Beijing serves as a large rail hub in China's railway network



Air

Beijing's primary airport is the Beijing Capital International Airport and Beijing Daxing International Airport



Taxi

Metered taxi in Beijing start at ¥13 for the first 3 kilometres (1.9 mi)



Roads and expressways

Beijing is connected by road links to all parts of China as part of the National Trunk Road Network.



Public transit

There are nearly 1,000 public bus and trolleybus lines in the city



Bicycles

Beijing has long been well known for the number of bicycles on its streets.





Please save the date
October 14-18, 2019
Beijing, China

IEEE VR 2019

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