

# 2021 OIL & GAS HIGH PERFORMANCE COMPUTING CONFERENCE

VIRTUAL PLATFORM GUIDE




**RICE** KEN KENNEDY  
INSTITUTE



# Brella Virtual Conference Platform Getting Started

## Click the Event Link to Join

1 Welcome 2 Availability 3 Interests 4 Profile



**RICE KEN KENNEDY INSTITUTE**

**OIL AND GAS**  
HIGH PERFORMANCE COMPUTING CONFERENCE

Rice University | March 5, 2021 | Virtual

Welcome to  
**2021 Oil and Gas High Performance Computing Conference**

To help you meet the most relevant people who can help you achieve your goals, let's first create your networking profile. Brella's matchmaking with artificial intelligence will then suggest people you may want to meet.

Let's get started!

Start networking

Skip networking

## Select your Networking Availability

1 Welcome 2 Availability 3 Interests 4 Profile

Which days are you available for networking?

I WANT TO NETWORK ON

- ✓ WEDNESDAY 3 March 2021
- ✓ THURSDAY 4 March 2021
- ✓ FRIDAY 5 March 2021

Proceed

Conference Platform Opens

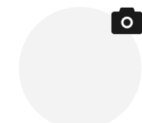
We recommend logging in on **Wednesday, March 3** to start networking and making meetings

## Create Your Profile

**Brella**

Join Brella

Create an account to explore other attendees and meet the most relevant people at events. You only need to make one account to access all your events using Brella.



Credentials

Email

Password (min. 8 characters)

Personal

First name

Last name

Company

Title

Company / Organization

Create Account!



# Brella Virtual Conference Platform Networking



2021 OIL AND GAS HIGH PERFORMANCE...  
MAR 3RD - MAR 5TH

Event Home

People

Schedule

Breakout Rooms

Sponsors

All times in your preferred time zone: (-06:00 CST) America/Chicago [Change time zone](#)

## Wednesday

08:00 AM

I'm available for requests



Networking Area  
20min

08:20 AM

I'm available for requests



Networking Area  
20min

08:40 AM

I'm available for requests



Networking Area  
20min

09:00 AM

I'm available for requests



Networking Area  
20min

09:20 AM

I'm available for requests



Networking Area  
20min

09:40 AM

I'm available for requests



Networking Area  
20min

X Clear filters

### Show

- Bookmarks
- Past content

### Filter

- Sessions & Meetings
- Sessions
- Meetings
- Networking availability

### Day

- All days
- Wednesday 3rd March
- Thursday 4th March
- Friday 5th March

Your availability >

Calendar sync >



Edit Your Meeting  
Availability

20-minute meeting slots from  
8:00 AM - 6:00 PM CST on  
March 3<sup>rd</sup>, 4<sup>th</sup>, and 5<sup>th</sup>



# Brella Virtual Conference Platform Networking

Best Matches Shown First

View their Interests

Send a Meeting Invite. Once accepted, you can chat freely before and after the video call meeting.



# Brella Virtual Conference Platform Home Page



Ken Kennedy Institute Data Science Conference ▾

Meeting/Message Requests Show Up Here



Announcements

[View full Schedule](#)

[Latest Announcement](#)

3 months

Please Complete our Conference Survey  
Please take a few minutes to complete a survey about your experience at the

KEN KENNEDY INSTITUTE DATA SCIENCE CONFERENCE 2020

KEN KENNEDY INSTITUTE DATA SCI...  
OCT 26TH - OCT 28TH

[Event Home](#)

[People](#)

[Schedule](#)

[Speakers](#)

[Sponsors & Posters](#)



Meredith Westover  
Ken Kennedy Institute, Rice ...

Your introduction:

Hi! I am one of the organizers for this event.

Countries you operate in:

United States

[Edit your profile](#) →

Edit Your Profile

Past Sessions [Most Popular](#) ▾

01:00 PM 26 Oct 2020 Past

Session 4: Technical Track A - ...

Mining SARS-CoV-2 Interhost and Intrahost Genomic Variation Time: Mon...

11:35 AM 26 Oct 2020 Past

Session 3: How the Internet Wi...

Examines the collapse of previous societies and asks how the advent of th...

10:30 AM 26 Oct 20

Session 2: The D

View the Slides Owin behaviors induced or

Sponsors & Posters

[See All](#)



Hewlett Packard Enterprise

In the race against time for a vaccine, technology is changing everything. That's why HPE has opened our patented technologies and artificial intelligence tools – arming scientists...

[Visit their booth](#)



Two Sigma

Calling scientists, engineers & academics. Sigma is a financial sciences company; we combine rigorous inquiry, data analysis & invention to solve the toughest challenges.

[Visit their booth](#)

Event Info

[Conference Home Page](#) ↗

Welcome

About

[Virtual Platform Guide](#) ↗

[Program](#) ↗

Event Info



# Brella Virtual Conference Platform Schedule

KEN KENNEDY INSTITUTE  
DATA SCIENCE CONFERENCE 2020

KEN KENNEDY INSTITUTE  
DATA SCI...  
OCT 26TH - OCT 28TH

- Event Home
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- Speakers
- Sponsors & Posters

All times in your preferred time zone: (-06:00 CST) America/Chicago [Change time zone](#)

## Monday

08:00 AM  
PAST

**Pre-Record: Welcome by Lydia Kavradi** ☆

Lydia Kavradi  
Ken Kennedy Institute, Rice University

5min

**Pre-Record: Welcome to the Conference App** ☆

Angela Wilkins  
Ken Kennedy Institute, Rice University

5min

09:15 AM  
PAST

**Session 1: Welcome** ☆

Angela Wilkins (Organizer)  
Ken Kennedy Institute, Rice University

Reginald DesRoches (Speaker)  
Rice University

10min

09:25 AM  
PAST

**Session 1: Global Quieting of Anthropogenic, High-Frequency Seismic Noise Due to COVID-19 Pandemic Lockdown Measures** ☆

Thomas Lecocq (Keynote speaker)  
Royal Observatory of Belgium

25min

[Keynote](#)

X Clear filters

### Show

- Bookmarks
- Past content

### Filter

- Sessions & Meetings
- Sessions
- Meetings
- Networking availability

### Day

- All days
- Monday 26th October
- Tuesday 27th October
- Wednesday 28th October

### Tags / Tracks

- Keynote
- Break
- Networking
- Technical Track B: Algorithms & Foundations
- Technical Track C: Business Impact
- Technical Track D: Healthcare
- Poster Session
- D3CODE
- Technical Track A: COVID-19

### Locations

- Poster Booths
- Sponsor Booths

Your availability >

Missed a Session? Click **Past Content** to see all previous sessions



KEN KENNEDY INSTITUTE  
DATA SCIENCE CONFERENCE 2020

KEN KENNEDY INSTITUTE  
DATA SCI...  
OCT 26TH - OCT 28TH

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< Back to schedule

09:25 AM - 09:50 AM • 25min • Mon

**Session 1: Global Quieting of Anthropogenic, High-Frequency Seismic Noise Due to COVID-19 Pandemic Lockdown Measures**



Click on a **Session** to Watch



Ask Questions During Sessions in the Chat



Chat for: Session 1: Global Qui...

Michelle Atkinson  
Please ask questions here to be provided to the moderator for the Q&A at the end of the session. There is a slight delay, so please write as you have the question to be added to the queue.

09:28 ✓

Rakesh Verma  
Are these datasets public?

09:38 ✓

Andrew Silver  
Do hospitals greatly skew results in their areas?

10:07 ✓

Rakesh Verma  
Is the city of houston funding this project?

10:09 ✓

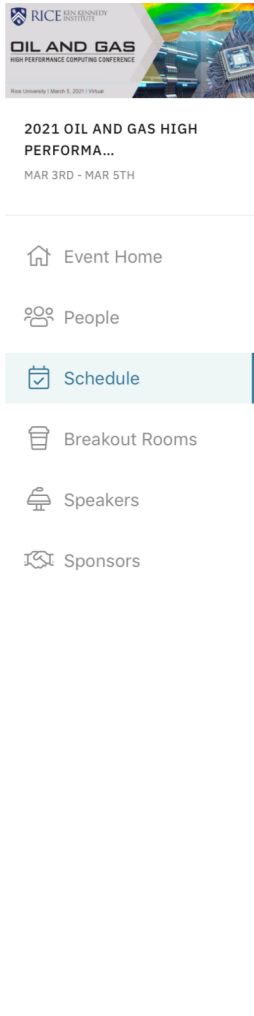
David Kerr  
Have other municipalities used your approach?

10:12 ✓

Type a message... Send

# Brella Virtual Conference Platform Pre-recorded Sessions

## View the Pre-Recorded Talks in the Schedule Tab



2021 OIL AND GAS HIGH PERFORMANCE...  
MAR 3RD - MAR 5TH

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All times in your preferred time zone: (-06:00 CST) America/Chicago [Change time zone](#)

Friday

08:35 AM

**Technical Presentation: Generative Models for Transfer Learning on Seismic Data**

Speaker: Richard Durall, Fraunhofer ITWM  
25min

Pre-Recorded Technical Presentation

**Technical Presentation: 3D Seismic Facies Classification using Distributed Deep Learning**

Speaker: Sergio Botelho, RocketML Inc.  
25min

Pre-Recorded Technical Presentation

**Technical Presentation: GEOSX: An Open-source Multiphysics, Multilevel Simulator for Simulating CO2 Storage on HPC**

Speaker: Herve Gross, Total S.A.  
25min

Pre-Recorded Technical Presentation

**Technical Presentation: Architecting HPC Storage at NERSC for the Exascale Era and Beyond**

Speaker: Glenn Lockwood, Lawrence Berkeley National Laboratory  
25min

Pre-Recorded Technical Presentation

Show

- Bookmarks
- Past content

Filter

- Sessions & Meetings
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Day

- Friday 5th March
- Thursday 4th March
- Wednesday 3rd March

Tags / Tracks

- Live
- Keynote
- Panel
- Break
- Pre-Recorded
- Technical Presentation
- Poster Presentation
- Sponsored Presentation

Your availability >

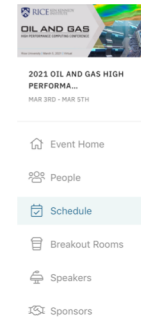
Calendar sync >

Click Past Content if you don't see the Pre-Recorded Sessions

Click the Session to view the Pre-Record

Filter by category

Ask Questions during Sessions in the Chat

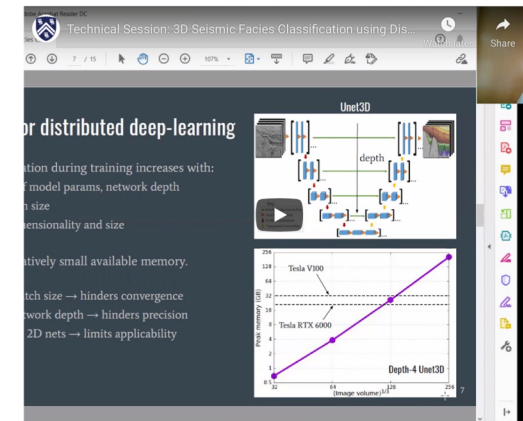


2021 OIL AND GAS HIGH PERFORMANCE...  
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08:35 AM - 09:00 AM • 25min • Fri

**Technical Presentation: 3D Seismic Facies Classification using Distributed Deep Learning**



for distributed deep-learning

ation during training increases with:  
model params, network depth  
h size  
dimensionality and size

atively small available memory.

ch size → hinders convergence  
etwork depth → hinders precision  
2D nets → limits applicability

Umet3D

depth

Tecla V1000

Tecla RTX 6000

Depth-4 Umet3D

Storage volume [PB]

Pre-Recorded Technical Presentation

DESCRIPTION

Speaker: Sergio Botelho, RocketML Inc.

Authors: Sergio Botelho, Vinay Rao, Santil Adavani, RocketML Inc.; Vishal Das, Pandu Devarakota, Shell Global

Chat for: Technical Presentation: 3D S...

Type a message...

# Brella Virtual Conference Platform Speakers



KEN KENNEDY INSTITUTE  
DATA SCI...  
26TH OCT - 28TH OCT

People

Schedule

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Speakers

Sponsors & Posters

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Sort



David Eagleman • Center for Science and Law, Stanford University, and Neosensory, Inc.



Nidal Moukadem • College of Medicine  
Clinics



Ioannis Pavlidis • University of Houston



Lauren Stadler • Rice University



Maria Chatzou Dunford • Lifebit Biotech



Michelle Gill • NVIDIA



David Eagleman

Center for Science and Law, Stanford University, and Neosensory, Inc.

**Talk Title:** How the Internet Will Save Civilization

**Time:** Mon, Oct 26 at 11:35-12:00 PM

David Eagleman is a neuroscientist, New York Times bestselling author, TED speaker, and Guggenheim Fellow. He is the writer and presenter of *The Brain* on PBS, an Emmy-nominated television series, and *The Creative Brain* on Netflix. In Palo Alto, California, he teaches at Stanford University, runs a startup neurotech company, and directs the Center for Science and Law. He is the author of eight books, including his newest book about brain plasticity, *Livewired*.



Maria Chatzou Dunford • Lifebit Biotech



Michelle Gill • NVIDIA

Click a Speaker to View  
their Information



# Brella Virtual Conference Platform Sponsor Booths



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## Platinum Sponsors

**IBM** >  
IBM + NVIDIA: Designed to build better products fa...

**Intel** >  
Unparalleled flexibility for HPC & AI. Intel(R) Xeon(...



## Gold Sponsors

**Advanced Micro Devices** >  
Accelerating Discovery with AMD HPC ...

**Dell Technologies** >  
Advanced technologies to fuel the futu...

**Lenovo** >  
Come visit the #1 vendor on the TOP5...

## Silver Sponsors

**Altair** >  
High Performance Innovation

**AMAX** >  
Solve your most complex problems wit...

**Amazon Web Services** >  
Transform the core and build the futur...

**Arm** >  
Arm Forge - HPC Application Debuggin...

Check out Sponsor  
Booths and Chat with  
Sponsor Representatives  
about job opportunities,  
products, and more

# Brella Virtual Conference Platform Sponsor Booth Example



KEN KENNEDY INSTITUTE  
DATA SCI...  
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[Back to Sponsors & Posters](#)



**Two Sigma**  
Seek connections in the world's data.  
[Website](#) [LinkedIn](#)

Silver Sponsors



Company Representatives (4)

Company Details



**Jim Ward**  
Two Sigma, Two Sigma

3 months

Suggest Meeting



**Yun Liu**  
Two Sigma, Sof...

3 months

Software Engineering, Data...

Hi! I would like to meet new people at this event.

Countries you operate in: United St...

Suggest Meeting

Chat for: Two Sigma

Insights

About Us

Additional Pages/Links

Jim Ward  
Hi - if anyone has any questions about Two Sigma, please let us know!

16:07 ✓

Jim Ward  
We are actively hiring Software Engineers and Data Analysts :)

16:41 ✓

Oct 27, 2020

Yun Liu  
Hi Jim, I'm actively looking for data science jobs, and very interested in Two Sigma

19:52 ✓

Yun Liu  
Do you have job description for opening positions? And do you have opening in data engineer? Thank you!

19:53 ✓

Type a message...

Send

Booth Chat Box

Company Details

Sponsor Representatives

# Brella Virtual Conference Platform Breakout Rooms



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## Lunch Break Room

Take a break, eat lunch, and network  
with other attendees, sponsors, and  
speakers!

12:00 PM–01:00 PM



During lunch, you can click to join a  
Breakout Room. Here you can  
video chat with other attendees.



# Brella Virtual Conference Platform Browser Capability

- Brella is a Web app and works on all browsers including Google Chrome, Mozilla Firefox, Safari, and Microsoft Edge
- Brella virtual calls work on all the above browsers
  - Make sure your browser and computer privacy settings have permitted your microphone and camera for Brella
- Tip: Close all other video applications and other browser windows for best use in Brella

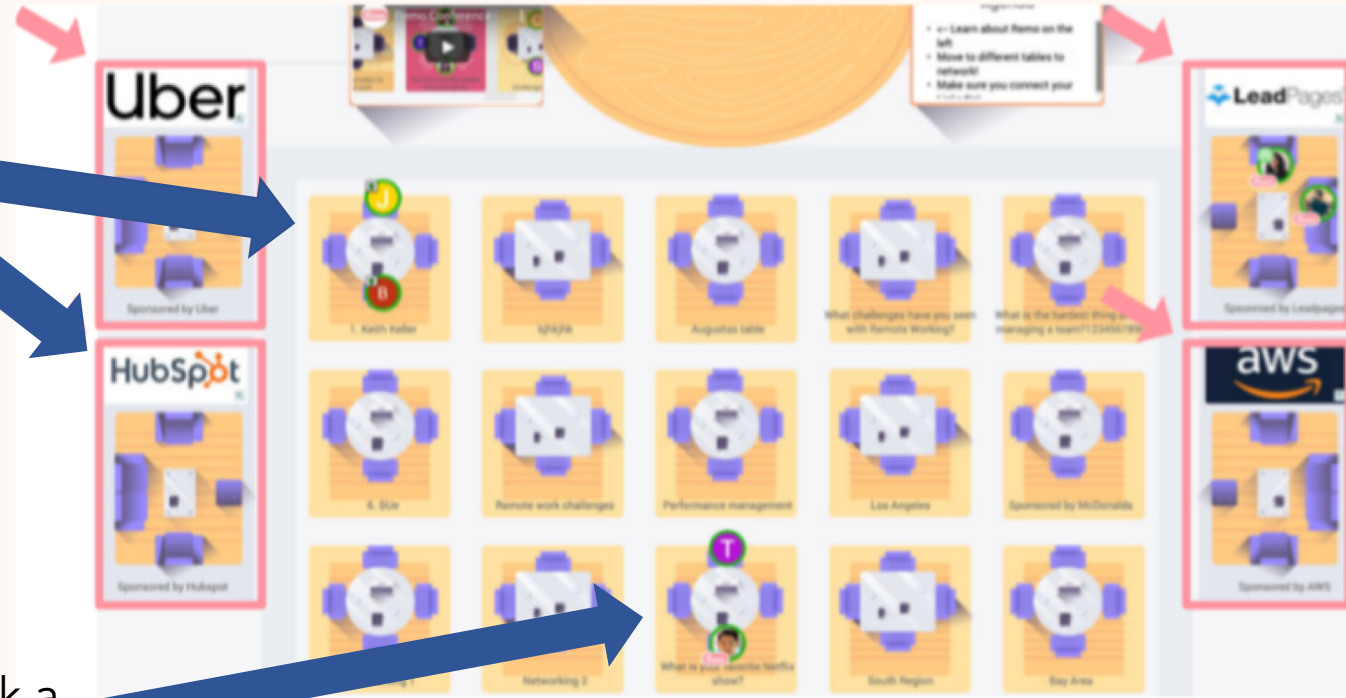
Sponsors



Double click a table to take a seat

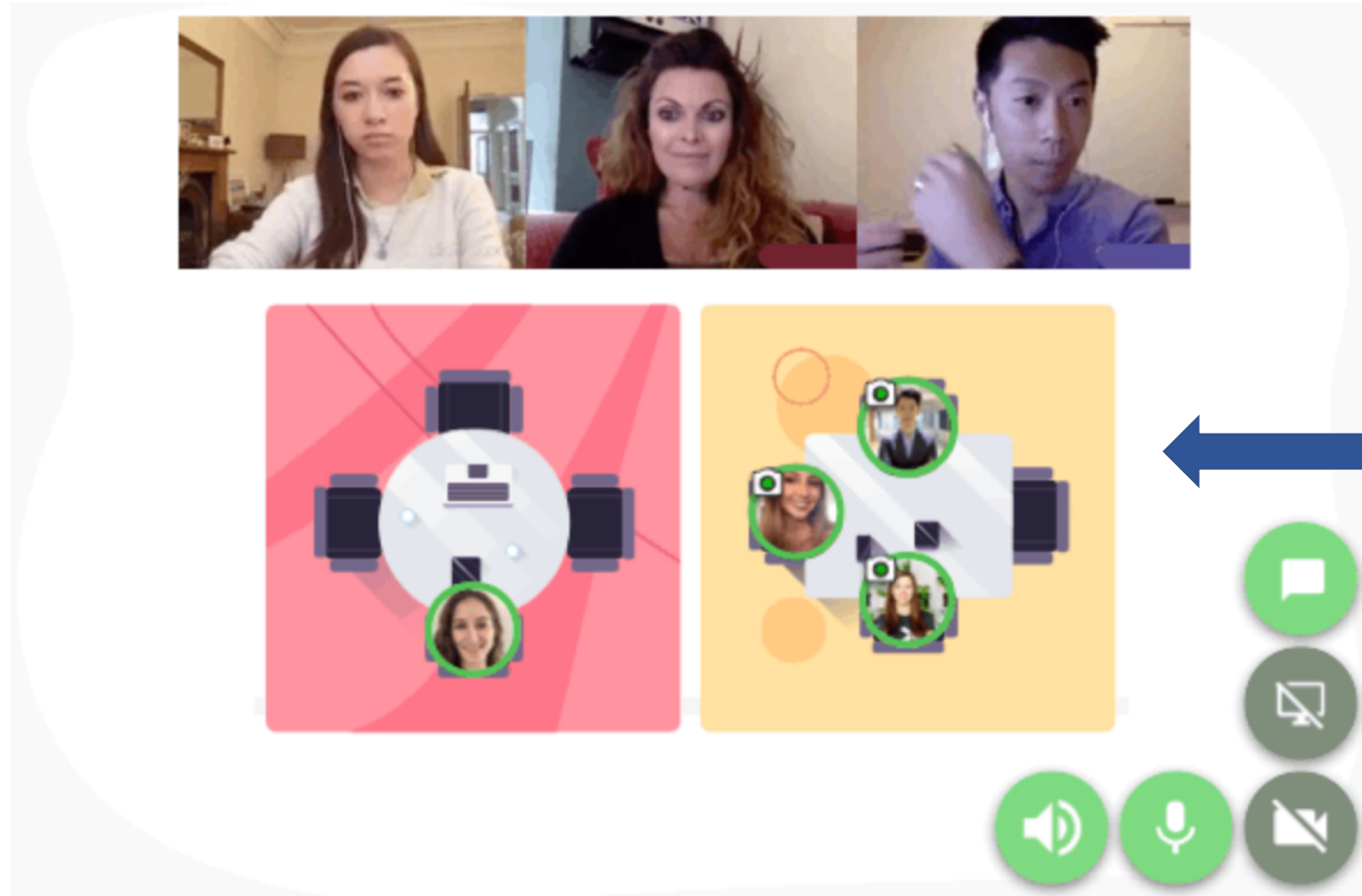


Sponsor Booths are displayed prominently to all event guests



**Three Floors:**  
Sponsors,  
Speakers,  
and  
General Networking

# Remo Virtual Networking Reception Networking Tables



Take a seat at a  
table and begin  
networking



- Make sure your browser and computer privacy settings have permitted your microphone and camera for Remo
- Tip: Close all other video applications and other browser windows for best use in Remo
- Browser Requirements:
  - For Mac – Chrome, Safari, Firefox and Microsoft Edge should work as long as your browser is up to date.
  - For Windows – Chrome, Firefox, and Microsoft Edge should work as long as your browser is up to date.
- If you'd like more information prior to the event, here is a [short 3-minute tutorial](#) for how to use Remo.

# Follow us on Social Media



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Rice Ken Kennedy Institute



Rice Ken Kennedy Institute

[kenkenedy.rice.edu](http://kenkenedy.rice.edu)



# RICE KEN KENNEDY INSTITUTE

The Ken Kennedy Institute brings together the Rice community to collaboratively solve critical global challenges by fostering innovations in computing and harnessing the transformative power of data.

We enable new conversations, promote interdisciplinary research in AI and data science, develop new technology to serve society, advance the current and future workforce, work closely with industry to bring promising ideas to market, and develop academic, industry, and community partnerships in the computational sciences.

KEN KENNEDY INSTITUTE

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