



# The Shift from Legacy Storage Solutions to Modern Data Platforms

Virtual HPC User Forum **Special Event**

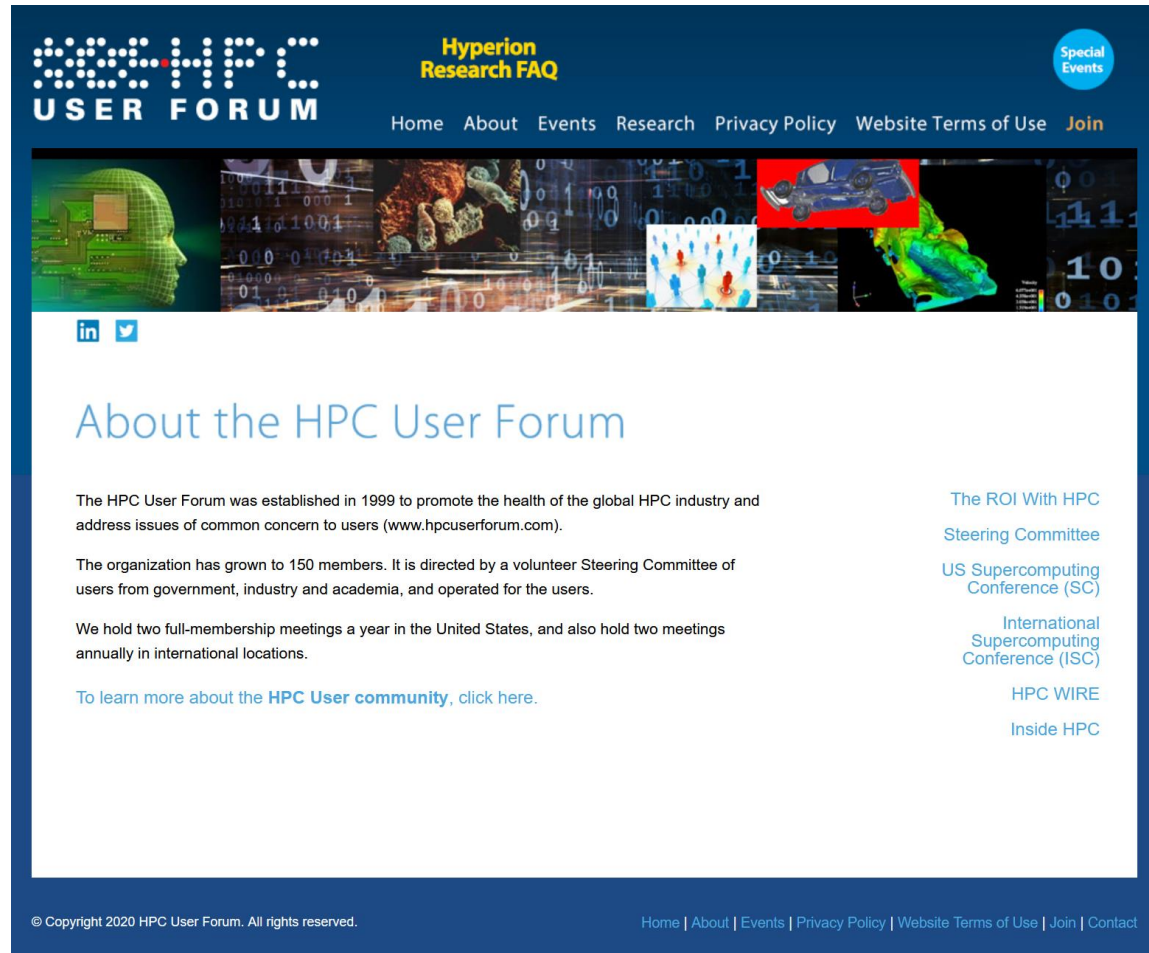
April 30, 2021

8:30AM – 11:30AM PT



# The HPC User Forum

www.hpcuserforum.com



The screenshot shows the HPC User Forum website. At the top left is the logo 'HPC USER FORUM'. To its right is a yellow button labeled 'Hyperion Research FAQ'. Further right is a blue circular button labeled 'Special Events'. Below these is a navigation menu with links: 'Home', 'About', 'Events', 'Research', 'Privacy Policy', 'Website Terms of Use', and 'Join'. A horizontal banner image contains various scientific and technical visualizations. Below the banner are social media icons for LinkedIn and Twitter. The main content area features the heading 'About the HPC User Forum' followed by three paragraphs of text. On the right side of this area is a vertical list of links: 'The ROI With HPC', 'Steering Committee', 'US Supercomputing Conference (SC)', 'International Supercomputing Conference (ISC)', 'HPC WIRE', and 'Inside HPC'. At the bottom of the page, there is a copyright notice on the left and a footer navigation menu on the right.

**HPC USER FORUM** Hyperion Research FAQ Special Events

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## About the HPC User Forum

The HPC User Forum was established in 1999 to promote the health of the global HPC industry and address issues of common concern to users ([www.hpcuserforum.com](http://www.hpcuserforum.com)).

The organization has grown to 150 members. It is directed by a volunteer Steering Committee of users from government, industry and academia, and operated for the users.

We hold two full-membership meetings a year in the United States, and also hold two meetings annually in international locations.

To learn more about the [HPC User community](#), click here.

The ROI With HPC  
Steering Committee  
US Supercomputing Conference (SC)  
International Supercomputing Conference (ISC)  
HPC WIRE  
Inside HPC

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# Presenters & Panelists

## Presenters



**Mark Nossokoff**  
Senior Analyst  
Hyperion Research



**Shimon Ben-David**  
CTO  
WekaIO



**Kevin Tubbs**  
SVP Strategic Solutions Group  
Penguin Computing



**James Lowey**  
CIO  
TGen

## Panelists



**Mark Nossokoff**  
Senior Analyst  
Hyperion Research



**Shimon Ben-David**  
CTO  
WekaIO



**Frederick Van Haren**  
CTO  
HighFens, Inc



**Kevin Tubbs**  
SVP Strategic Solutions Group  
Penguin Computing



**Herb Ahmuty**  
Solutions Architect  
Meadowgate Technologies

# Agenda

Speaker	Organization	Topic	Start	Duration
Mark Nossokoff	Hyperion Research	HPC Market Update and Observations on Modern Data Platforms	8:30	30 min
Shimon Ben-David	WekaIO	Modern Data Platforms for Modern Workloads	9:00	30 min
Kevin Tubbs	Penguin Computing	Breaking Data Silos to Support Mixed Workloads	9:30	30 min
James Lowey	TGen	Scale Requirements for Modern Workloads	10:00	30 min
Panelists	Mark Nossokoff Shimon Ben-David Frederick Van Naren Kevin Tubbs Herb Ahmuty	Perspectives on Modern Workloads	10:30	45 min
Mark Nossokoff	Hyperion Research	Wrap-up	11:15	15 min
	End		11:30	

# Panelists

## Panelists



**Mark Nossokoff**  
Senior Analyst  
Hyperion Research



**Shimon Ben-David**  
CTO  
WekaIO



**Frederick Van Haren**  
CTO  
HiFens



**Matt Jacobs**  
Chief Strategy Officer  
Penguin Computing



**Herb Ahmuty**  
Solutions Architect  
Meadowgate Technologies







# Virtual HPC User Forum

May 11-13, 2021  
10:00AM-3:00PM CT (US)

May 12-14, 2021  
10:00AM-15:00PM CT (GMT)

[www.hpcuserforum.com](http://www.hpcuserforum.com)



## May 2021 HPC User Forum Agenda



### First Day

- Welcome, logistics, HPC User Forum background (Paul Muzio, Rupak Biswas, Steve Conway and Earl Joseph)
  - Earl Joseph, HPC Market Update
- Paul Muzio, Start the first day (Exascale is the first topic area)
  - Frank Alexander, EXASCALE: Brookhaven National Laboratory - Machine Learning
  - Doug Kothe, EXASCALE: Exascale Computing Program
  - HPE, Vendor update
  - Mark Parsons, EXASCALE: UK Exascale & Catalyst
- Break
  - Jysoo Lee, KAUST (site update)
  - AMD, Vendor update
  - Sanzio Bassini, CINECA (site update)
  - Pekka Manninen, LUMI Leadership Computing Facility (site update)
  - Radmila Brožková, Czech Hydrometeorological Institute (site update)
- Paul Muzio, thank you, sponsors, see you tomorrow

### Second Day

- Rupak Biswas, Start the second day (covid is the first topic area)
  - Manish Parashar, NSF
  - Rommie Amaro, UCSD
  - Dell, Vendor update
  - Jean-Philip Piquemal, Université Pierre et Marie Curie
  - Gregory Voth, University of Chicago
- Break
  - Florent Duchaine, CERFACS
  - Intel, Vendor update
  - Innovative Technology Panel: Supermicro, Penguin Computing, Tachyum, Altair, Arm and Red Hat
  - Richard Lawrence, UK Met (site update)
- Rupak Biswas, thank you, see you tomorrow

### Third Day

- Steve Conway, Start the third day (site updates and new processors)
  - Bastian Koller, High Performance Computing Center, Stuttgart (site update)
  - Gary Grider, Los Alamos National Laboratory (site update)
  - NEC, Vendor update
  - Tina Declerck, National Energy Scientific Research Center (site update)
  - Bob Sorensen, Hyperion Research (Quantum Computing)
- Break
  - Mark Stickells, Pawsey Supercomputing Centre (site update)
  - Mark Nossokoff, Hyperion Research (storage market overview)
  - Storage Panel: Mohamad El-Batal (Seagate Technologies), Jeff Lundberg (Hitachi Vantara) and Jeff Denworth (Vast Data)
  - MemVerge, Vendor update
  - Alex Norton, Hyperion Research (overview of new processors under development for AI)
  - Venkat Vishwanath, Looking at new processors: ANL
  - Simon McIntosh-Smith, Looking at new processors: Bristol-Isambard-2
- Conclusions: Paul Muzio, Rupak Biswas, Steve Conway and Earl Joseph
  - Earl Joseph, Future meeting plans

**Thank you to our sponsors!**

Hewlett Packard Enterprise / Dell Technologies / Intel / AMD / MemVerge / Arm / Altair / NEC / Tachyum

Thank you!