



# Conference Opening

**Leslie Daigle**

NANOG Board Chair



Welcome to San Diego!

# Fun Facts about San Diego

- The weather in San Diego is ideal almost all year long, averaging 70 degrees over the course of the year.
- Famous fast-food chain Jack in the Box started as a drive-thru hamburger joint on El Cajon Boulevard in San Diego.
- The first person to ever cross the San Diego-Coronado Bridge was then-California governor Ronald Reagan in 1969.
- The 1982 film Fast Times at Ridgemont High was based on San Diego's Clairemont High School.

# Conference Wireless



**95 Clients**

MEETING WIRELESS SSIDs

**NANOG-ARIN**

[WPA3 Secured (2.4Ghz, 5Ghz, 6Ghz)]

PSK: nanognanog

**NANOG-ARIN-Legacy**

[Unencrypted network (2.4Ghz & 5Ghz)]

Open — no password required

**NANOG-ARIN-V6 Only**

[Unencrypted network (2.4Ghz & 5Ghz)]

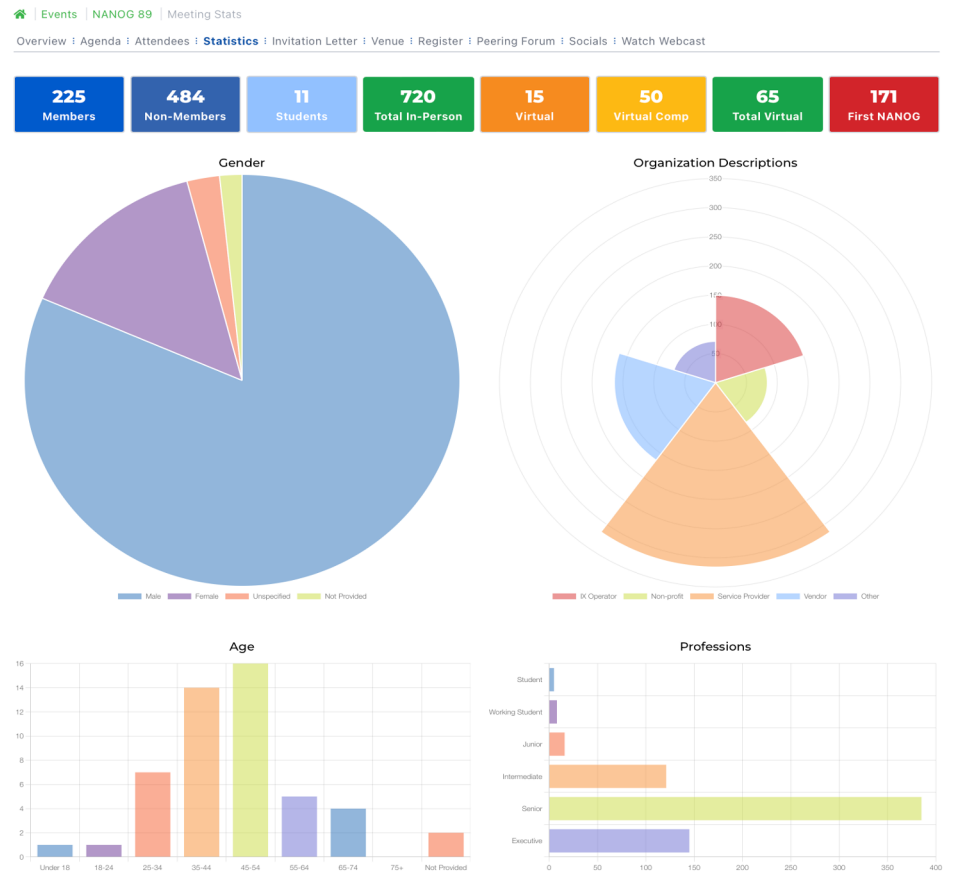
Open — no password required

Need assistance?

Email: [nanog-eng@nanog.org](mailto:nanog-eng@nanog.org)

# Conference Statistics

<https://www.nanog.org/events/nanog-89/meeting-stats/>



# NANOG Board Elections – this week!

- 2 seats available
- Board Candidate Panel on Tuesday (4pm Constellation Ballroom)
- Voting begins Oct 17th after the panel
  - Open to all NANOG members
  - PLEASE VOTE!
- Bios and Statements of support can be found here:
  - <https://www.nanog.org/members/elections/2023-board-candidates/>

# IMPORTANT update on NANOG 90

- Two weeks ago, our hotel canceled our contract for NANOG 90 in Charlotte in February 2024
- Staff have been working valiantly to sort out a new location
  - New dates: February 12 - 14, 2024
    - Hackathon and Education programme on February 11, 2024
  - Still Charlotte, NC
- HOSTING OPPORTUNITIES AVAILABLE! :-)

**A SPECIAL THANKS  
TO OUR  
SPONSORS**







# IPv4.GLOBAL

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By  **Hilco**<sup>TM</sup>  
Streambank<sup>TM</sup>

## Meeting Host Sponsor

**IPv4.GLOBAL**

By  **Hilco**<sup>™</sup>  
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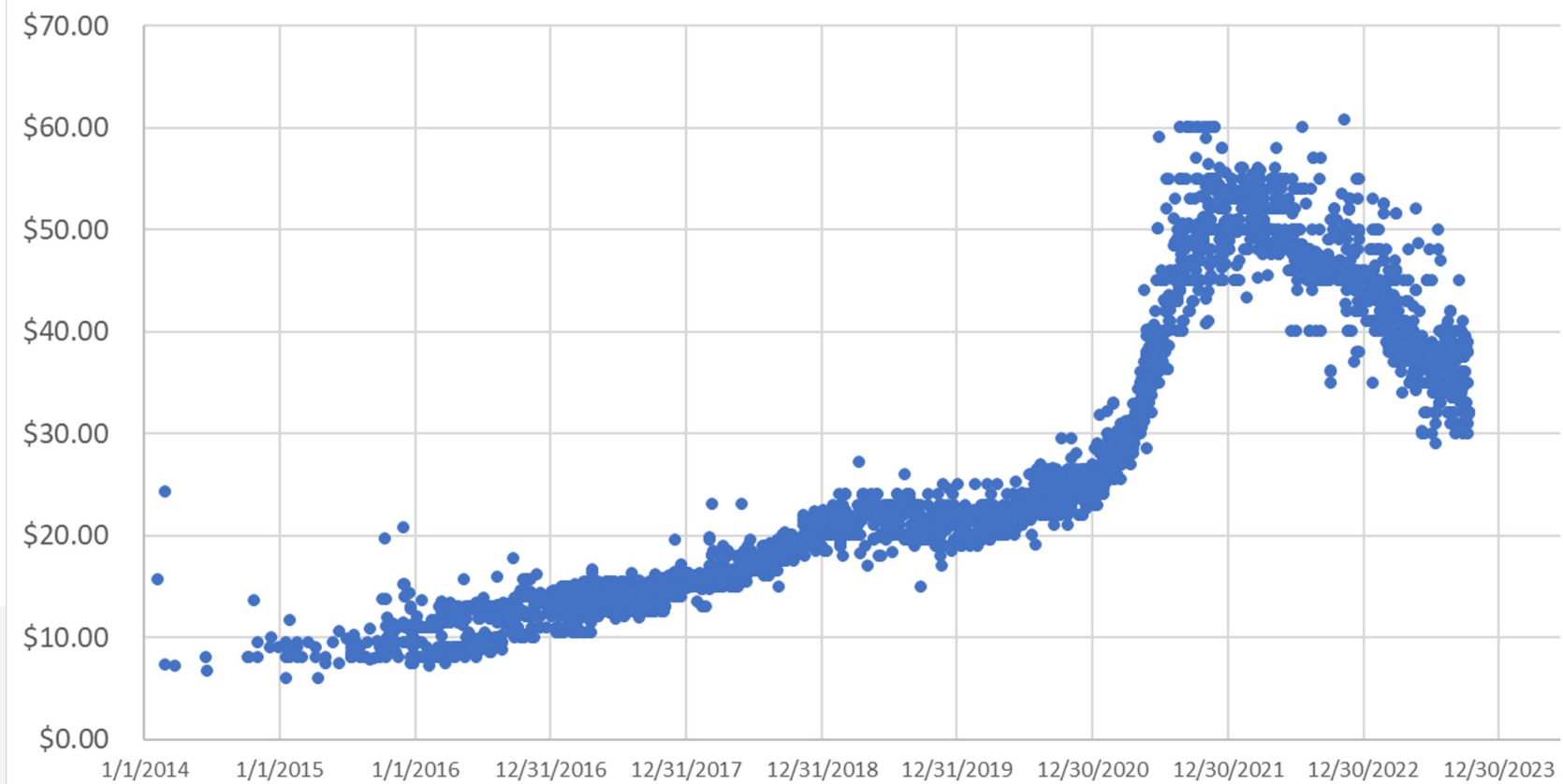
## IPv4.Global Updates

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October 2023

### Price per Address (USD)

Source: <https://auctions.IPv4.Global/prior-sales>



# Milestones 2023

- ARIN Qualified Facilitator
  - Launch of ReView
  - Passed \$1 Billion in sales
  - Company awards (Stevies, Globee)
- New features
    - Welcoming brokers
    - Reputation reporting
    - Bundling
    - “Notify Me”



## The Team

### Gabe Fried

CEO

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### Jack Hazan

Executive Vice President

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### Lee Howard

Senior Vice President

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# Platinum Sponsors



# Gold Sponsors



# Meeting Connectivity Sponsors





# Network Lounge Sponsor



windstream wholesale

# Espresso Bar Sponsor

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A brand of  **legrand**

# Beer 'N Gear Sponsors



# Peering Forum Sponsors



**JPIX**



# Breakfast Sponsors

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A brand of  **legrand**

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[ THE DDOS PROTECTION SPECIALISTS ]

**EXA**

**ExaSwitch**

**EXFO**

 **NANO**<sup>™</sup>

# Lunch Sponsors



# Break Sponsors



# Social Event Sponsors





# Service Sponsors



CONTAINERlab

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# Special Acknowledgments

Edward McNair stepped down as Executive Director of NANOG in September.

Edward has contributed so much in his 5 years with NANOG. Just a few highlights:

- Moving to an entirely virtual experience during COVID
- Rebranding the organization
- Launching a new website
- Developing tools to bring the program and community together
- Outreach expansion and inclusion efforts

Please take a moment to find Edward and thank him this week!





# Code of Conduct + Ombuds

**Tina Morris**

NANOG Board Member

# Code of Conduct

## We will not tolerate the following:

- Aggressively pushing your own services, products, or causes.
- Distribution or consumption of alcohol at NANOG-sponsored in-person venues (alcohol not served by hotel-licensed providers).
- Audio or video recordings of the few sessions where such recording is not permitted.

# Code of Conduct (Cont.)

**We will not tolerate the following:**

- Offensive verbal comments or physical contact because of sex, sexual orientation, gender identity, gender expression, age, disability, physical appearance, personal appearance, race, color, national origin or religion (or lack thereof).
- Sexual images of any kind, displayed in public spaces.
- Deliberate intimidation, stalking, threatening, or following.

# Code of Conduct (Cont.)

**We will not tolerate the following:**

- Harassing photography or recording of any kind.
- Sustained disruption of a presentation or other event.
- Inappropriate physical contact.
- Unwelcome sexual attention.

# NANOG Ombuds



**Future Cain**  
CEO of Future of SEL



**Karen Fleshman**  
Associate, Future of SEL

# NANOG Ombuds

Confidential  
support for our  
community

[ombuds@nanog.org](mailto:ombuds@nanog.org)







# Diversity, Equity, and Inclusion Committee

**Tina Morris**

DEI Committee Chair

# DEI Committee Members



- Tina Morris (Chair)
- Evan Breznyik
- Kate Gerry
- Stephen Hartman
- Marcus Holt
- T.Marc Jones
- Louie Lee
- Marlin Martes
- Giulia Reading
- Charles Rumford
- Clara Wade
- Akeyla Wallace
- Les Williams

# Important Events

- DEI talk Navigating Diversity:  
Inclusive Leadership, Race, and the Dynamics of Humanity
  - Speaker Joy Canonigo
    - Discover Financial Services
  - Followed by a lunch that continues the conversation, allows networking and is open to all.
- WIT Mixer - Monday at 4pm - Avalon Ballroom
  - An event to bring those that identify as female and/or with she/her pronouns for an afternoon of networking with other fellow community members with light fare and drinks
- DEI Discussion Forum Wednesday at 11 am Constellation Ballroom



# Building Community

- Pickleball - Monday, Tuesday, and Wednesday
  - Coronado Cays Park (0.5 miles away)
  - 6:45am - 9:15am
- Table Topics - a mix of technical and fun topics to promote conversation at lunch on Monday and Tuesday
- Affinity Groups found at: <https://community.nanog.org/>
  - Coffee Meetups
  - Walks/Runs
  - RPKI



# Program Overview

**Cat Gurinsky**

NANOG Program Committee Chair

# Program Committee Members

Cat Gurinsky - Chair  
Apple Inc

Stevan Plote - Vice Chair  
Plote & Associates

Chris Woodfield - Secretary  
DriveNets

Melchior Aelmans - Member  
Juniper

Kam Agahian - Member  
Oracle

Aaron Atac - Member  
Akamai Technologies

Phil Bedard - Member  
Cisco

Jason Bothe - Member  
Moody's Corporation

Dan Chioreanu - Member  
Apple Inc

Kate Gerry - Member  
NetActuate, Inc

Mikael Holmberg - Member  
Extreme Networks

Marcus Holt - Member  
JMF Solutions

Manish Krishnan - Member  
Google

John Kristoff - Member  
NETSCOUT

Nimrod Levy - Member  
AT&T

Marlin Martes - Member  
Amazon Web Services

Fearghas McKay - Member  
FLEXOPTIX GmbH

Sergey Myasoedov - Member  
NetArt Group

Charles Rumford - Member  
Deft

James Shank - Member  
SpyCloud

Mike Starr - Member  
trackd

Adair Thaxton - Member  
Internet2

Steve Ulrich - Member  
Arista Networks

Michael Voity - Member  
University of Vermont

Les Williams - Member  
Amazon Web Services

# General Session + Tutorials

NANOG 89 has 23 talks on topics including:

- Automation
- BGP
- RPKI
- Measurement
- Monitoring
- Panels
- Optics



## Tutorials Every Day!

- Monday
  - Building Virtual Labs
- Tuesday
  - Optical Networking
- Wednesday
  - Kubernetes Load Balancer

# NANOG 89 Keynotes



## Monday Keynote:

*The Expanding Landscape of Internet Governance: Why Network Operators Need a Global View w/ President and CEO of ARIN, John Curran*



## Tuesday Keynote:

*Fireside Chat with Chief Operating Officer of Arista Networks, Anshul Sadana + NANOG Producer Elizabeth Drolet*



# The return of NANOG Jeopardy

- NANOG Jeopardy is back!
- We are happy to welcome the following 3 contestants:
  - Avi Freedman
  - Alex Latzko
  - Richard Steenbergen
- Today at 2:30pm at Commodore CDE (this room)
- Contact the PC to volunteer as a future contestant!

# Program Tips

- Virtual Chat How-To:
  - Use the “Chat” tab to talk with other attendees
  - Use the “Q+A” tab to ask a question during a presentation
    - Even in person attendees can submit questions this way!
  - Use the “Help” tab to receive technical support
- Agenda + Presentation Materials

# Submit Lightning Talks!

- Reminder Lightning Talks are **in person**
- Two lightning talk time slots this meeting:
  - 5:30pm-6pm PDT Tuesday
  - 4:30-5:00pm PDT Wednesday
- Submit abstracts by 3:30 PM PDT the day before you wish to speak
- PC will send notifications the evening prior
  - Include cell # in profile to be notified via text!
- Final slides due 12:00 PM PDT day of presentation

# NANOG 89 Surveys

- Surveys online
  - <https://www.nanog.org/surveys>
    - Daily Survey available for Monday, Tuesday, Wednesday  
Complete the daily survey each day to enter the drawing for a \$100 gift card.
- Surveys close Friday, 20 October, 2023
- DEI Forum + Hackathon Forum on Wednesday for in person feedback



**Enjoy our Program**