**Welcome to
Hot Chips 33!**
Organizing Committee
Ian Bratt & Cliff Young

Conference Sponsor: IEEE Technical Committee
on Microprocessors and Microcomputers

Thank You!

Slack Overview

- **Sign-up info sent with your credentials**
- **Interact with speakers**

- **#a1-announcements**
- **#a2-help**
- **#a3-general**

- **"c" for conference talks**
- **"k" for keynotes**
- **"p" for posters**
- **"s" for sponsors**
- **"t" for tutorials**

During talks:
- Ask a question if you haven't seen it asked
- "Upvote" existing questions with thumbs up emoji 👍 3
- There will be an applause thread at the end of each talk where you can thank the speaker 👏👏

Behind the Scenes

Volunteer Run Conference
- Steering Committee
- Operating Committee
- Program Committee

Role	Name	Organization
Chair	Ian Bratt	ARM
Vice Chair	Cliff Young	Google
Advertising	Don Draper	ProPrincipia
Web/IT	Kevin Broch	Rivos Inc.
	Katherine Bennett	
Location Services	John Sell	Intel
	Allen Baum ·	Esperanto Technologies
Finance	Lily Jow	
Production	Lance Hammond	
	Keith Diefendorff	
Publications	Stefan Rusu	TSMC
Registration	Charles Neuhauser	Neuhauser Associates, Inc
Sponsorship	Amr Zaky	
Volunteers	Gabriel Southern	Qualcomm
	Rohan Ganpati	Cadence
Marketing	Gary Brown	Intel
	Aishwarya Nagarajan	Google
Press	Ralph Wittig	Xilinx

Welcome to the
Hot Chips 33 Program

Guri Sohi (University of Wisconsin)

Alisa Scherer

Hot Chips 33 Program Committee

Krste Asanovic, UC Berkeley/SiFive

Forest Baskett, NEA

Ron Diamant, Amazon

Pradeep Dubey, Intel

Yoshio Masubuchi, Toshiba

Vartika Singh, NVIDIA

Natalia Vassilieva, Cerebras

David Kanter, Real World Tech

Derek Chiou, Microsoft

Kunle Olukotun, Stanford/SambaNova

Guri Sohi, U. Wisconsin (co-chair)

Debjit das Sarma, Tesla

Tayo Oguntebi, Google

Alan Smith, UC Berkeley

Fred Weber

Ralph Wittig, Xilinx

Rob Aitken, ARM

Jason Lowe-Power, UC Davis

Yuan Xie, UCSB/Alibaba

Gabriel Loh, AMD

Nam Sung Kim, U. Illinois

Alisa Scherer (co-chair)

Tutorials

- ML Performance and Challenges
  - NVIDIA, Google
  - Intel, Graphcore
  - Facebook
  - Amazon, Microsoft

- Advanced Packaging

  - Intel

  - AMD

  - TSMC

  - TechSearch International, Inc

Keynotes

Does Artificial Intelligence Require Artificial Architects?

Aart de Geus

CEO, Synopsys

Monday 12.30pm (PDT)

Skydio Autonomy Engine: Enabling the Next Generation of Autonomous Flight

Abraham Bachrach

CTO, Skydio

Monday 4.00pm (PDT)

Architectural challenges: AI chips, Decision Support and High Performance Computing

Dimitri Kusnezov

Deputy Undersecretary for AI and Technology

Tuesday 10.00am (PDT)

Program Statistics and Sessions

85 abstract submissions
27 accepted talks

Monday

CPUs

Chips from Academia

Infrastructure and Data Processors

Enabling chips for Automotive, 5G, and High-bandwidth Memory
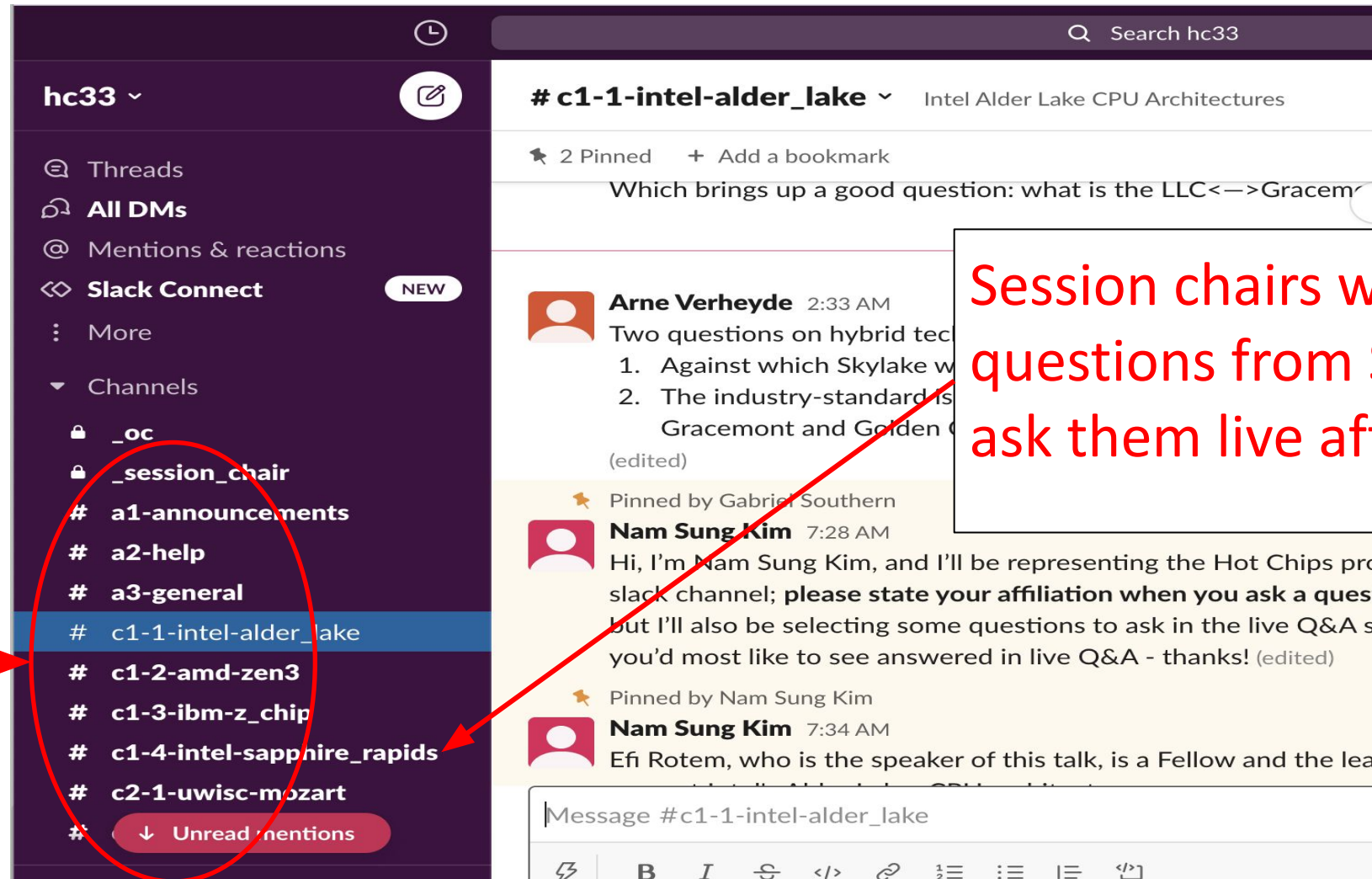
Tuesday

ML Inference in the Cloud

ML Training and Computation Platforms

Graphics and Videos Processors

New Technologies: sensors, quantum computing, and AR contact lenses

Q&A Process Through Slack

Each talk has a dedicated slack channel

Session chairs will pick questions from Slack and ask them live after each talk

Posters

Hot Chips 33 selected 18 outstanding posters

Each poster will be staffed on a schedule determined by the presenter

- Visit them on the https://hc33.hotchips.org/ **Program** tab
    - Poster links are at the bottom of the page
- Slack Channels for interaction with presenters
- Links to the poster pdfs

Enjoy Hot Chips!