Statements in this presentation that refer to future plans or expectations are forward-looking statements. These statements are based on current expectations and involve many risks and uncertainties that could cause actual results to differ materially from those expressed or implied in such statements. For more information on the factors that could cause actual results to differ materially, see our most recent earnings release and SEC filings at www.intc.com.
Developer-First Approach

Open + Choice + Trust
Technology Innovations

Solutions & Tools

Solving Today’s Challenges
We are in a new era

Technology is increasingly central to every aspect of human existence
Bridging physical and digital worlds with Technology Superpowers

Ubiquitous =

- Compute
- Pervasive Connectivity
- Cloud-to-Edge Infrastructure
- Artificial Intelligence
- Sensing
Sensing

Through advancements in AI, telemetry, photonics, mapping and more, machines are adopting human-centric abilities for smarter, more useful data.
Bridging physical and digital worlds with Technology Superpowers

Ubiquitous =

- Compute
- Pervasive Connectivity
- Cloud-to-Edge Infrastructure
- Artificial Intelligence
- Sensing
Building foundational chips for increasingly more powerful compute
Moore’s Law: Alive and Well

Intel 7
Intel 4
Intel 3
Intel 20A
Intel 18A
End-to-end Wafer Foundry
Brodest portfolio of differentiated technologies

intel
Tower Semiconductor
Open Chiplet Ecosystem Standard enables flexibility in chiplet construction
Property of Universal Chiplet Interconnect Express™ (UCIe™) as of September 2022
$1 billion
IFS Innovation Fund
150+ companies engaged

$400M raised by companies innovating across the entire semiconductor stack
University Shuttle Program
Spurring advanced semiconductor R&D
Future of High-Density Compute

Requires high-performance vector and matrix processing with extreme memory bandwidth
Intel® Data Center GPU FLEX Series

- TensorFlow
- PyTorch
- OpenVINO

Intel® Data Center GPU Flex 140

Intel® Data Center GPU Flex 170
Intel® Data Center GPU (Ponte Vecchio) Blades Shipping Now
MSRP pricing taken at time of launch of each product.
Avg selling price calculated for RTX 3060 and RTX 3060 Ti on Sept 22, 2022 from Newegg.com, all applicable product that was in stock, for sale by Newegg, and in new condition.
Performance Segment GPU Prices

MSRP pricing taken at time of launch of each product.
Avg selling price calculated for RTX 3060 and RTX 3060 Ti on Sept 22, 2022 from Newegg.com, all applicable product that was in stock, for sale by Newegg, and in new condition.
Intel® Arc™ A770 GPU

65% better peak performance versus competition in ray tracing

For workloads and configurations visit www.Intel.com/PerformanceIndex. Click on the Events tab and Innovation Event Claims. Results may vary.
Intel® Arc™ A770 GPU
Available Oct 12
Starting at $329

For workloads and configurations visit www.Intel.com/PerformanceIndex. Click on the Events tab and Innovation Event Claims. Results may vary.
Solving Today’s Biggest Challenges Together
Intel’s Youngest Full-time AI Ethics Architect

2012
Wrote First Line of Code at age 8

2015
Graduated High School at age 11

2018
Harvard University Bachelor’s Degree in Computer Science
Joined Intel as an Intern at age 14

2020
Harvard University Master’s Degree in Data Science,
Joined Intel Full-time at age 16

Today
Ria Cheruvu
AI Ethics Lead Architect
Ria’s Passion
To help develop future technologies and empower the ecosystem
Vast Universe of Tools and Technologies

Inspiring Innovation
<table>
<thead>
<tr>
<th>Developer Cloud</th>
<th>cloud.intel.com</th>
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<tbody>
<tr>
<td></td>
<td>Latest Intel Technologies</td>
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<td>Open Ecosystem</td>
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<td>Learning Resources</td>
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<td></td>
<td>Early Product Technology Access</td>
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Developer Cloud

cloud.intel.com

Intel® Xeon® D processors

Intel® Data Center GPU

Gaudi2

Intel® Data Center GPU Flex Series

Intel® Xeon® Processor

with high bandwidth memory

4th Gen Intel® Xeon® Scalable Processor
Today’s Challenges

- Development Cycles Are Too Slow
- Building and Deploying AI Models for the Real World Requires Specialty Skill Sets
- Game Development is Complex and Slow
- Creative Development is Time-Consuming and Limited
- User Experience Needs To Drive Product Design
- Solve for High-Bandwidth Low-Power Connectivity
No product or component can be absolutely secure.
Flexible Configurations

Intel® On Demand Activation Model
One-time Feature Activation

No product or component can be absolutely secure.
Help protect your most valuable assets

Applications programmed for one system **Often do Not Work** on another system

No product or component can be absolutely secure.
Help protect your most valuable assets

Protecting Data in Use

GRAMINE + Intel® Software Guard Extensions (Intel® SGX)

No product or component can be absolutely secure.
Help protect your most valuable assets

No product or component can be absolutely secure.

Protecting Data in Use

GRAMINE + Intel® Software Guard Extensions (Intel® SGX)

No product or component can be absolutely secure.
Help protect your most valuable assets

Holistic security and data confidentiality

No product or component can be absolutely secure.
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Yannis Katramados
Product Lead
Computer Vision and AI, Intel
Building AI Models for the Real World

- Roughly half of AI pilots make it to production
- Siloed teams hinder effective collaboration
- Right data + right people = AI Quality
Building AI Models for the Real World

OpenVINO™
AI Models Optimized for Intel Hardware

<table>
<thead>
<tr>
<th>Model</th>
<th>Model metrics</th>
<th>Parameters</th>
<th>Labels</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BASELINE MODEL</strong></td>
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<tr>
<td>MaskRCNN EfficientNetB2B</td>
<td>FP32</td>
<td>92%</td>
<td>98.82 MB</td>
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</tbody>
</table>

Improve model performance using OpenVINO optimization Techniques
Powerful AI for everyone

geti.intel.com
Build with Intel® Geti™
Deploy with OpenVINO™
Hauke Feddersen
VP of Operations,
PreciTaste
Building AI Models for the Real World

+ CHIPOTLE

+ PreciTaste®

+ OpenVINO®

Intel does not control or audit third-party data. You should consult other sources to evaluate accuracy.
Building AI Models for the Real World

+ CHIPOTLE
  + PreciTaste
  + OpenVINO

Optimizing the Customer Experience
Through Open Ecosystem
Today’s Challenges

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Sarah Mainwaring
Gameplay Programming
Area Lead, Inflexion
Game Development Performance

Debugging networked games connected to multiple clients is **not optimized and time consuming**.
Game Development Performance

Hybrid architecture opens opportunity for developers and end-users to strive for the best user experiences.
Game Development Performance

Hybrid architecture opens opportunity for developers and end-users to strive for **the best user experiences**
13th Gen Intel® Core™ S-series Processors

- 24 Performance and Efficient Cores
- up to 15% Better Single-thread Performance Gain
- up to 41% Better Multi-thread Performance Gain

Based on its Max Turbo Frequency of 5.8GHz, which is the highest for any Desktop processor. Additional details at intel.com/PerformanceIndex.

For workloads and configurations visit www.Intel.com/PerformanceIndex. Click on the Events tab and Innovation Event Claims. Results may vary.
Based on enhanced overclocking ability enabled by Intel's comprehensive tools and unique architectural tuning capabilities of unlocked 13th Gen Intel Core processors.

Overclocking may void warranty or affect system health. Learn more at www.intel.com/overclocking. Results may vary.

Visit www.intel.com/performanceindex (connectivity) for wired and wireless claims and details. Results may vary.
13th Gen Intel® Core™

6.0 GHz
Out of the Box
in limited volumes,
early next year
13th Gen Intel® Core™ Family

50+ Processors

500+ 13th Gen Design
Today’s Challenges

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Advanced Deep Learning for Content Creators

AI is unleashing wide array of new opportunities in the creative domain
Advanced Deep Learning for Content Creators

GAUDI®2 Deep Learning Processor
Today’s Challenges

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SAMSUNG DISPLAY

JS Choi
CEO, Samsung Display
User Experience

SAMSUNG DISPLAY

Innovative Form Factor PC
Best User Experience
User Experience

Seamlessly Connects
PC and Other Devices
User Experience

Intel® Unison™ coming to new laptops this holiday season on select Intel Evo designs from OEMs
Today's Challenges

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Innovating at the Speed of Light

Crossing the final barrier from electrons to photons
Open Choice Trust

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Linus Torvalds
Fellow, Linux Foundation
explore more on newsroom.intel.com

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13th Gen Intel® Core™ S-series Processors

4th Gen Intel® Xeon® Scalable Processor
Accelerators

Systems Foundry
Wafers + Packaging + Software + Chiplets

Innovating at the Speed of Light

Developer Cloud
cloud.intel.com

Intel® Xeon® Processor

4th Gen Intel® Xeon® Scalable Processor

Intel® Xeon D processor

Gaudi2

Intel® Data Center GPU

Intel® Data Center GPU Flex Series

intel
GEtI
Powerful AI for Everyone
going.intel.com

Intel® Unison™
Coming to new laptops this holiday season
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