

January 12, 2021



# AMD President and CEO Lisa Su Showcases a Digital-First World at Consumer Technology Association's Consumer Electronics Show

**— Dr. Su's keynote highlights the acceleration of digital transformation at home, work and in entertainment with appearances from Microsoft, HP, Lucasfilm, Lenovo and Mercedes-AMG Petronas Formula 1 Team —**

SANTA CLARA, Calif., Jan. 12, 2021 (GLOBE NEWSWIRE) -- Today at Consumer Technology Association's Consumer Electronics Show, [AMD](#) (NASDAQ: AMD) showcased technology innovations that are improving how consumers live, work and play. During her [keynote](#), AMD President and CEO Dr. Lisa Su reiterated the importance of high-performance computing in people's daily lives and the ways in which the acceleration of digital transformation – at home and at work – point to a bright future this year and beyond. To power that future, Dr. Su announced a new family of high-performance mobile processors for laptops and offered a preview of an upcoming next-generation server processor for data centers.

“AMD is incredibly proud to be at the heart of products, services and experiences keeping us productive, learning, connected and entertained in an increasingly ‘digital first’ world,” said Dr. Su. “We are committed to consistently pushing the envelope on what’s possible in PCs, gaming, data centers and the cloud together with our industry partners.”

Dr. Su was joined in the keynote by a diverse set of partners: HP CEO Enrique Lores, Lenovo CEO Yang Yuanqing, Vice President of Technology for Lucasfilm François Chardavoine, Mercedes-AMG Petronas Formula One Team Driver Lewis Hamilton and Team Principal and CEO Toto Wolff, and Microsoft Chief Product Officer Panos Panay. Each shared how they partner with AMD to offer some of the most exciting products, services and experiences to people around the world. For example, Lewis Hamilton, Formula 1 World Champion, discussed the role of high-performance computing in racing, from the design and testing of the car to the analysis of race data for competitive advantage. (38:50 – 45:55)

In addition, scientific researchers explained how an additional 12 petaflops of donated AMD EPYC™ and AMD Radeon Instinct compute power is accelerating their work to research infectious disease including COVID-19. (6:00 – 9:00)

## **New Product Innovation**

AMD showcased its track record of executing consistently against its ambitious product roadmap again at CES 2021. Dr. Su announced the new AMD Ryzen™ 5000 series mobile

processors that bring the industry-leading performance<sup>1</sup> and high efficiency of the “Zen 3” core to laptops, and shared the first public demonstration of the upcoming 3<sup>rd</sup> Gen AMD EPYC™ server processor for data centers, cloud services and high-performance computing.

### **AMD Ryzen 5000 Series Mobile Processors – powerful and energy-efficient PC processors for ultrathin and gaming laptops.**

To support the dramatic shift to working and learning from home, AMD launched new AMD Ryzen 5000 series processors based on the “Zen 3” core, combining industry-leading performance<sup>1</sup> with the power efficiency needed for next-generation mobile PC computing. (18:29 – 23:42)

- The world’s top notebook OEMs, including Asus, HP and Lenovo, will all bring AMD Ryzen 5000 systems to market starting in February, with more than 150 systems expected to launch this year.
- The newly announced family of AMD processors includes AMD Ryzen 5000 U-Series Processors optimized for thin and light notebooks, as well as AMD Ryzen 5000 H-Series Processors for mobile gamers and creators.
- HP CEO Enrique Lores and Lenovo CEO Yang Yuanqing discussed how their companies in partnership with AMD are shaping the compute experience of the future with new form factors. (23:43 – 27:15; 35:30 – 38:49)
- Microsoft Chief Product Officer Panos Panay discussed the essential nature of the PC for connecting, working, learning and gaming and the AMD and Microsoft co-engineering that is revolutionizing these computing experiences. (11:00 – 17:15)

### **3<sup>rd</sup> Gen AMD EPYC Processor, codenamed “Milan” – designed to extend AMD leadership in performance, total cost of ownership and security features.**

AMD EPYC processors are at the heart of the supercomputers, data centers and cloud services underpinning scientific research, global business, ecommerce and increasingly important cloud services like online learning, collaboration applications and video conferencing. In her keynote, Dr. Su provided the first public demonstration of the 3<sup>rd</sup> Gen AMD EPYC processor, codenamed “Milan.” The demonstration featured the Weather Research and Forecast (WRF) Model – used in more than 160 countries – crunching through a compute-intensive weather forecast for the continental United States, with two 32-core “Milan” processors outperforming two of the competition’s highest end dual socket processors by ~68%<sup>2</sup>. (46:03 – 48:48) 3<sup>rd</sup> Gen AMD EPYC processors will raise the bar for performance, advanced security features and the business value for which AMD is known. AMD plans to announce product and ecosystem details in Q1 2021.

### **Supporting Resources**

- Watch the opening video [here](#)
- See clips from our partners here:
  - HP CEO Enrique Lores (23:43 – 27:15)
  - Lenovo CEO Yang Yuanqing (35:30 – 38:49)
  - Vice President of Technology for Lucasfilm François Chardavoine (30:32 – 35:29)
  - Mercedes-AMG Petronas Formula 1 Team Driver Lewis Hamilton and Team CEO Toto Wolff (38:50 – 45:55)
  - Microsoft Chief Product Officer Panos Panay (11:00 – 17:15)
- Listen to scientific researchers discuss the impact of the AMD HPC Fund here: (6:00 –

9:00)

- Learn more about AMD Ryzen Mobile Processors [here](#)
- Learn more about AMD EPYC Processors [here](#)
- Learn more about supercharging creativity with the Radeon RX 6900 XT and see a ProRender-developed demo of the Mercedes-AMG F1 W11 EG performance car [here](#)
- Follow [AMD](#) on Twitter to stay up to date

## CAUTIONARY STATEMENT

This press release contains forward-looking statements concerning Advanced Micro Devices, Inc. (AMD) such as the features, functionality, performance, availability, timing and expected benefits of AMD products including the AMD Ryzen™ 5000 Series Mobile Processors and the 3<sup>rd</sup> Gen AMD EPYC™ Server Processor, which are made pursuant to the Safe Harbor provisions of the Private Securities Litigation Reform Act of 1995. Forward-looking statements are commonly identified by words such as "would," "may," "expects," "believes," "plans," "intends," "projects" and other terms with similar meaning. Investors are cautioned that the forward-looking statements in this press release are based on current beliefs, assumptions and expectations, speak only as of the date of this press release and involve risks and uncertainties that could cause actual results to differ materially from current expectations. Such statements are subject to certain known and unknown risks and uncertainties, many of which are difficult to predict and generally beyond AMD's control, that could cause actual results and other future events to differ materially from those expressed in, or implied or projected by, the forward-looking information and statements. Material factors that could cause actual results to differ materially from current expectations include, without limitation, the following: Intel Corporation's dominance of the microprocessor market and its aggressive business practices; the ability of third party manufacturers to manufacture AMD's products on a timely basis in sufficient quantities and using competitive technologies; expected manufacturing yields for AMD's products; the availability of essential equipment, materials or manufacturing processes; AMD's ability to introduce products on a timely basis with features and performance levels that provide value to its customers; global economic uncertainty; the loss of a significant customer; AMD's ability to generate revenue from its semi-custom SoC products; the impact of the COVID-19 pandemic on AMD's business, financial condition and results of operations; political, legal, economic risks and natural disasters; the impact of government actions and regulations such as export administration regulations, tariffs and trade protection measures; the impact of acquisitions, joint ventures and/or investments on AMD's business, including the announced acquisition of Xilinx, and the failure to integrate acquired businesses; AMD's ability to complete the Xilinx merger; the impact of the announcement and pendency of the Xilinx merger on AMD's business; potential security vulnerabilities; potential IT outages, data loss, data breaches and cyber-attacks; uncertainties involving the ordering and shipment of AMD's products; quarterly and seasonal sales patterns; the restrictions imposed by agreements governing AMD's notes and the revolving credit facility; the competitive markets in which AMD's products are sold; market conditions of the industries in which AMD products are sold; AMD's reliance on third-party intellectual property to design and introduce new products in a timely manner; AMD's reliance on third-party companies for the design, manufacture and supply of motherboards, software and other computer platform components; AMD's reliance on Microsoft Corporation and other software vendors' support to design and develop software to run on AMD's products; AMD's reliance on third-party distributors and add-in-board partners; the potential dilutive effect if the 2.125% Convertible Senior Notes due 2026 are converted; future

impairments of goodwill and technology license purchases; AMD's ability to attract and retain qualified personnel; AMD's ability to generate sufficient revenue and operating cash flow or obtain external financing for research and development or other strategic investments; AMD's indebtedness; AMD's ability to generate sufficient cash to service its debt obligations or meet its working capital requirements; AMD's ability to repurchase its outstanding debt in the event of a change of control; the cyclical nature of the semiconductor industry; the impact of modification or interruption of AMD's internal business processes and information systems; compatibility of AMD's products with some or all industry-standard software and hardware; costs related to defective products; the efficiency of AMD's supply chain; AMD's ability to rely on third party supply-chain logistics functions; AMD's stock price volatility; worldwide political conditions; unfavorable currency exchange rate fluctuations; AMD's ability to effectively control the sales of its products on the gray market; AMD's ability to adequately protect its technology or other intellectual property; current and future claims and litigation; potential tax liabilities; and the impact of environmental laws, conflict minerals-related provisions and other laws or regulations. Investors are urged to review in detail the risks and uncertainties in AMD's Securities and Exchange Commission filings, including but not limited to AMD's Quarterly Report on Form 10-Q for the quarter ended September 26, 2020.

### **About AMD**

For more than 50 years, AMD has driven innovation in high-performance computing, graphics and visualization technologies — the building blocks for gaming, immersive platforms and the data center. Hundreds of millions of consumers, leading Fortune 500 businesses and cutting-edge scientific research facilities around the world rely on AMD technology daily to improve how they live, work and play. AMD employees around the world are focused on building great products that push the boundaries of what is possible. For more information about how AMD is enabling today and inspiring tomorrow, visit the AMD (NASDAQ:AMD) [website](#), [blog](#), [Facebook](#) and [Twitter](#) pages.

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<sup>1</sup> As of December 2020, the Ryzen 5000 series mobile processors are the fastest mobile processors with the highest-performing single-thread and multi-thread performance available on x86 mobile processors, measured by AMD Labs with Cinebench R.20 1T and Cinebench R20 nT respectively. Performance may vary. CZM-35

<sup>2</sup> AMD internal testing completed on 7Dec2020 on a reference platform with 2x pre-production EPYC™ 7003 series 32-core processors, compared to an Intel server on a production system with 2x Intel® Xeon® Gold 6258R (28C) processors. Results may vary. MIL-002

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Photos accompanying this announcement are available at:

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**AMD at CES 2021**



**AMD CEO Dr. Lisa Su talks with Vice President of Technology for Lucasfilm François Chardavoine at CES 2021.**

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Source: Advanced Micro Devices, Inc.