

SEMICON West Debuts in Phoenix for the First Time in October 2025

» by Julie Rogers • May 2025



Semiconductors power just about everything. From smartphones and computers to autonomous vehicles and AI, the world's increasing reliance on these technologies has pushed semiconductor demand to an [all-time high](#).

To help meet the growing need for semiconductor chips, Arizona is emerging as a key manufacturing region. As a result of the state's rising industry stronghold, [SEMI](#), a global association connecting 1.5 million microelectronics professionals, will be hosting its 55th annual [SEMICON West](#) event in Phoenix from October 7–9, 2025. Semiconductor leaders from around the world will gather at the Phoenix Convention Center to discuss trending topics like AI scalability, workforce development, and disruptions to the global supply chain.

SEMICON West is one of SEMI's largest and longest running trade shows. Since its first event in 1970, SEMICON West has been a cornerstone of collaboration, networking, and problem solving for the broader microelectronics industry. Each year, industry leaders and innovators share insights that shape the direction of technology for years to come.

The decision to bring SEMICON West to Phoenix was not taken lightly. Typically held in San Francisco, SEMICON's relocation speaks to the city's significant industry contributions. Although the conference will remain in San Francisco during even-numbered years, 2025 is the first time this flagship event will take place outside of California in its 55-year history. SEMI's decision to host SEMICON West in Phoenix highlights a strategic shift to further technological advancements and industry expansion in the region.

Industry Activity in Phoenix

Since Motorola established its Greater Phoenix facility in 1949, Phoenix has experienced ongoing investments that have transformed it into a hotspot for semiconductor manufacturing.

Recently, Taiwan Semiconductor Manufacturing Company (TSMC) [announced plans](#) to invest an additional \$100 billion into its Arizona facilities, totaling \$165 billion and creating approximately 3,000 new jobs. Phoenix also serves as Intel's U.S. manufacturing base, with the company [announcing](#) \$32 billion in investments for two new state-of-the-art facilities. [Amkor](#), another leading industry player, committed to a \$2 billion facility in the Phoenix area. When Amkor's facility is complete, it will become the largest outsourced semiconductor assembly and test (OSAT) location in the U.S.

Arizona's pro-business climate, favorable tax structure, and available land make it well-suited for semiconductor industry growth. In addition, Arizona's three major universities each have dedicated semiconductor programs that help boost the local talent pool.

One of Arizona's key strengths is its unique ability to align key stakeholders. The state's successful collaborations between local semiconductor corporations, startups, universities, governments, and associations are paramount, because building the next generation of semiconductor chips will not come without challenges.

Right now, much of the industry's explosive growth is driven by demand for advanced AI technologies. As of early 2025, [the global AI market](#) was valued at \$391 billion. By 2030, it's expected to reach \$1.81 trillion. Although this aggressive growth over the next five years opens the door for opportunity, meeting it will require sustained and dedicated effort for the foreseeable future.

To satisfy the world's need for AI, the industry and its cross-sector collaborators must address complications surrounding the global supply chain, workforce development challenges, and technological limitations—all of which will come into focus at SEMICON West 2025.

What to Expect at SEMICON West

Themed *Stronger Together—Shaping a Sustainable Future in Talent, Technology, and Trade*, SEMICON West 2025 will underscore the importance of taking unified action for the next phase of innovation. By convening leaders from across the world, the conference will offer a dedicated forum for addressing the industry's most pressing challenges.

Amid shifting geopolitical conditions, speakers at SEMICON West 2025 will emphasize the importance of building resilient and diverse trade networks. Building on conversations from SEMICON West 2024, the 2025 event will further spotlight discussions that offer solutions for the smooth flow of goods and services. By coming together to strengthen the global supply chain, the industry can become more equipped to address worldwide demand for AI.

Additionally, the CEO Summit keynote series will be returning to SEMICON West 2025. Government leaders and experts from across the semiconductor value chain will offer new insights into the latest developments shaping the global industry. This year's event will also include forums on Cybersecurity, Smart Data/AI, Smart Manufacturing, Smart Mobility, Smart MedTech, and Sustainability, along with SEMI's Market Symposium, Test Vision Symposium, and other relevant technical tracks.

SEMICON West 2025 will also feature SEMI's signature Workforce Development Pavilion, offering strategies for securing tomorrow's workforce and connecting job seekers with employers. To meet today's explosive semiconductor demand, the industry will need around [one million additional skilled workers](#) by 2030. This includes technicians, engineers, entry-level support positions, and more. The Workforce Development Pavilion will also welcome people considering a semiconductor industry career for the first time.

SEMICON West 2025 will provide premiere networking opportunities for industry professionals. This year's expo will feature more than 540 companies across two levels of the Phoenix Convention Center, reflecting an explosion of growth fueled by the CHIPS and Science Act and the excitement surrounding the event's debut in this burgeoning region. Exhibitors will showcase cutting-edge technologies, products, and solutions shaping the next era of microelectronics—from fabs and tools to AI and advanced packaging.

As part of the SEMICON West experience, 3rd Street in downtown Phoenix will transform into an open-air innovation corridor—connecting the North and West buildings of the Phoenix Convention Center with high-energy networking and entertainment. This dynamic pedestrian zone will feature interactive sponsor



activations, food trucks, live music, and themed networking events, offering attendees a vibrant space to connect beyond the expo floor. Both daytime and evening activities on 3rd Street are designed to reflect the spirit of the region while sparking meaningful conversations and collaboration across the global microelectronics community.

The inclusion of Phoenix as a biannual host city for SEMICON West signifies a new era for both the event and Arizona's semiconductor ecosystem. By leveraging its unique ability to align stakeholders across corporations, startups, universities, and government entities, Arizona is poised to address global challenges such as supply chain disruptions and workforce shortages.

As SEMI's flagship event debuts in Phoenix this October, it promises not only to spotlight Arizona as a global tech powerhouse but also to catalyze further innovation and collaboration within the microelectronics industry.

Julie Rogers



Julie Rogers has more than 35 years of experience in marketing and communications. Julie currently works as the Director of Marketing SEMI Americas & ESD Alliance at SEMI since 2019. Prior to that, Julie served as the Director of Marketing and Operations at ESD Alliance from 2015. Julie has also worked as a Principal at Marketing Matters since 1999, where they manage events and marketing activities for various hospitals and service lines. Previously, Julie held positions as the Marketing Director at Weintraub Tobin, the Marketing Communications Director at American Cancer Society, a Senior Account Executive at KOVR-TV | CBS Sacramento, and an Account Executive/Production at KCRA-TV | NBC Sacramento.