



SWTEST
2026 CONFERENCE

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Welcome to 35th SWTest 2025 Conference and EXPO in Carlsbad, CA

Jerry Broz, PhD
SWTest General Chair

Welcome to SWTest Conference and EXPO

June 8 to 10, 2026

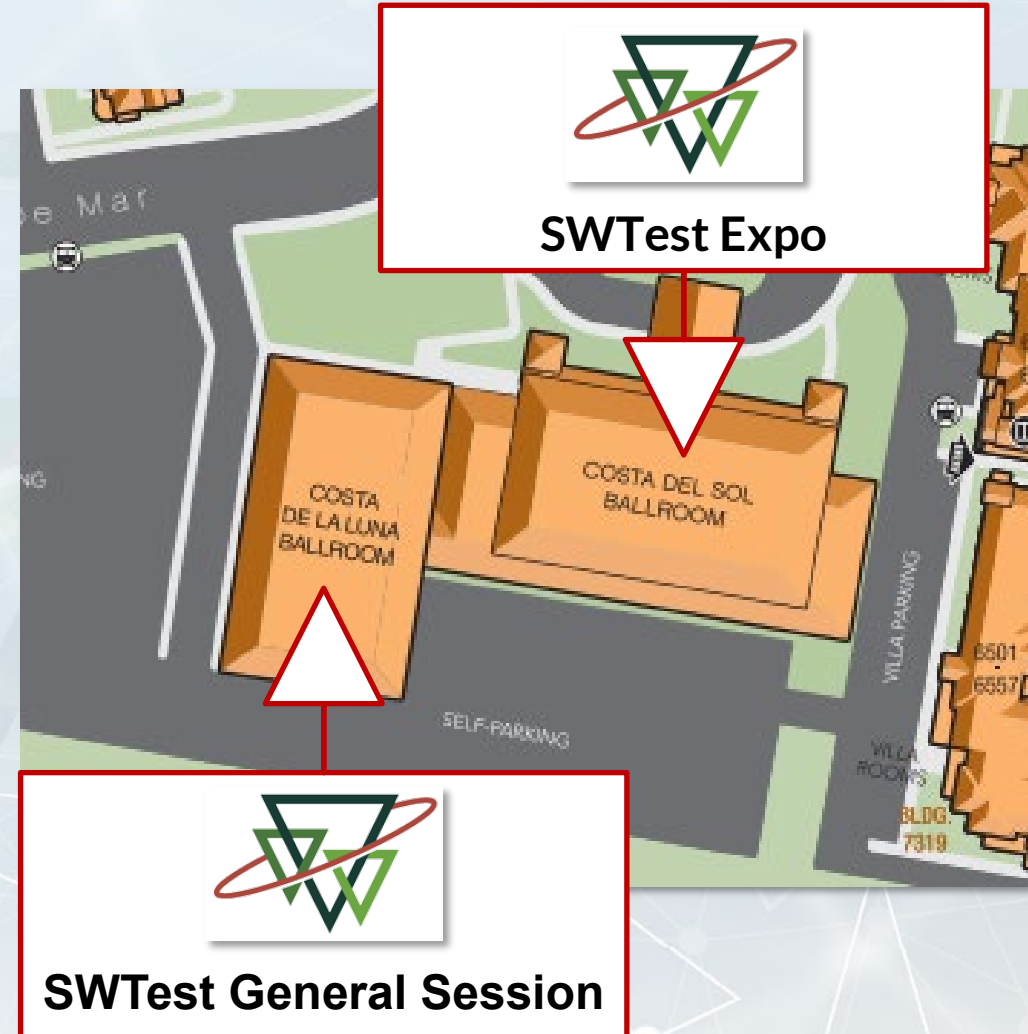
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Omni - La Costa, Carlsbad, CA



SWTest 2026 Property Map

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SWTest 2026 eProceedings?

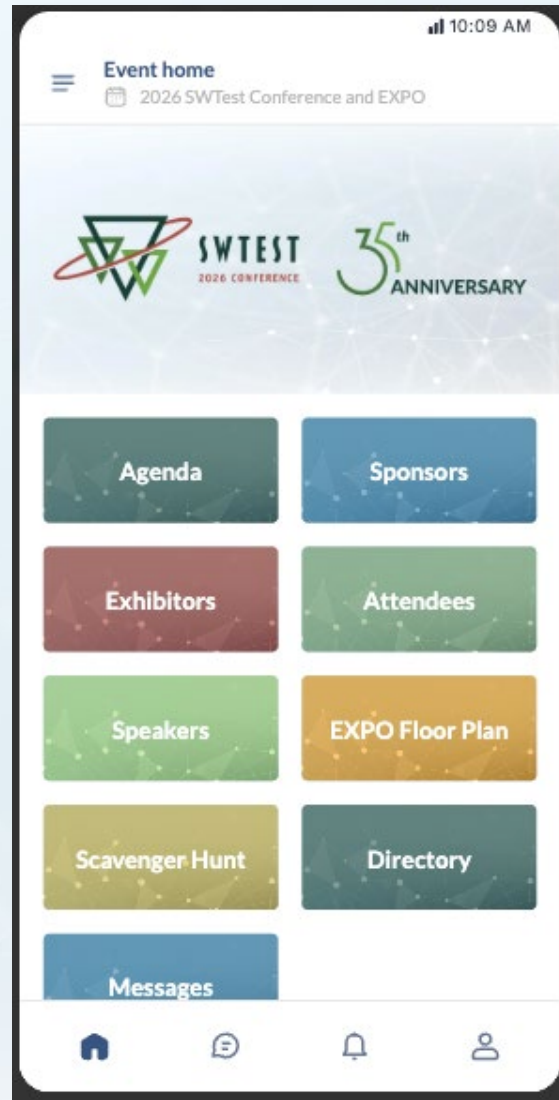


Password for Monday = valencia
Password for Tuesday =
Password for Wednesday =

- Each day of the conference will be available in an e-Version for download in a password protected file.
 - Network (SSID) = SWTest Conference
 - Session and Expo WiFi Password = **swtest2026**
 - Download at = <https://www.swtest.org/>
- Free WiFi access will be available during the entire conference to allow attendee access to the downloads.
- Daily passwords to the download files will be announced throughout each day, respectively.
- Non-password locked files will be made available in the SWTest Archives after the conference adjourns.

SWTest Conference Mobile App

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Download mobile app from respective online stores and enter your registered email.

- Up-to-the-minute Event Info
- Connect with the Sponsors and Exhibitors
- Program Schedule in the Auditorium
- View Exhibitor and Sponsor Videos
- Read the Literature from the Exhibitors
- Connect with Attendees that have “opted-in”
- Registered attendees must “opt-in” for sharing their contact information through conference Mobile App.

Cast your votes for People’s Choice Award!
Use the Bookmark in the App



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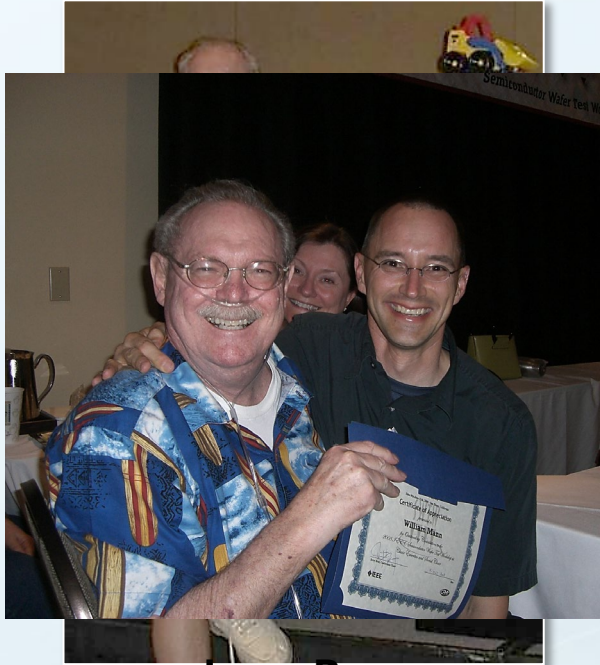
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35 Years of Wafer Test Technology

SWTest 35th Anniversary | Carlsbad CA, June 8 – 10, 2026

35 Years of Wafer Test Technology

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Jerry Broz

General Chair 2008

William R. Mann

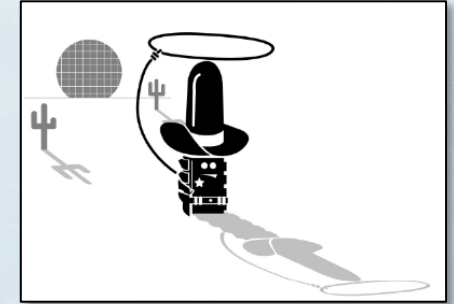
Founder & Chair Emeritus
Senior Member IEEE

Senior Member IEEE

SWTest Lifetime Achievement
Recipient

- **1990: Probe Technology Users Group**

- Bill Mann organized a small user's group at Rockwell Semiconductor focused on practical wafer test issues.
- Identified that a specialized forum was needed to address every facet of microelectronic wafer probe testing, focusing on “real world” problems and solutions.
- Beers were served “in the back” during last technical session.



- **1991 to 2005: IEEE Southwest Test Workshop**

- 40 probe technologists attended the first “official” workshop.
- “Poorest Disguised Sales Pitch Award” to keep a technical focus.



- **2006 to present: Semiconductor Wafer Test Conference (SWTest) and SWTest Asia**

- Premier international forum to exchange ideas and practical technical knowledge.
- Balanced user and supplier presentations on cutting-edge probe technology developments.
- Ample time for informal and relaxed discussion, networking, connection-building with a focused industry EXPO.



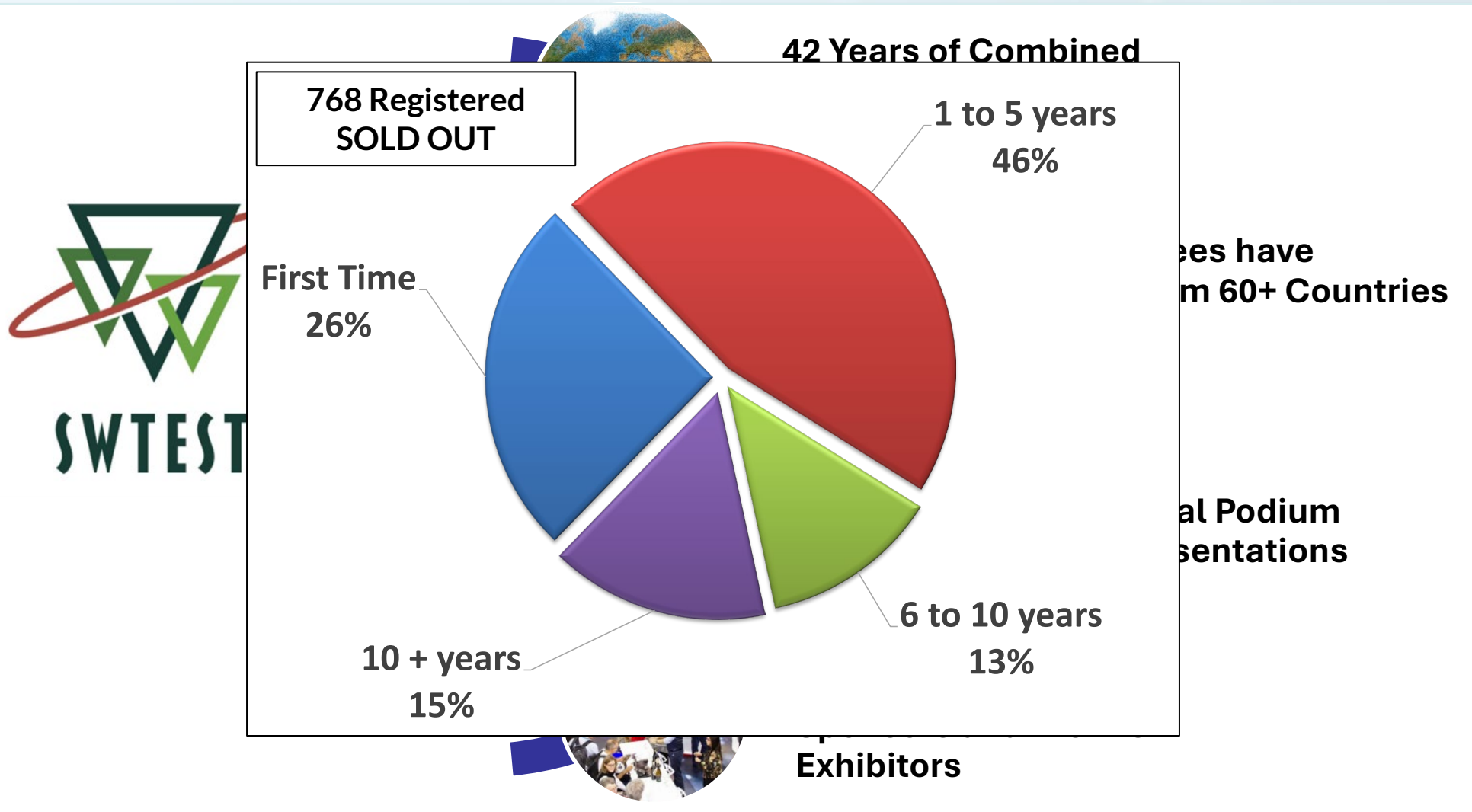


6th SWTest Asia Japan 2025 856 Attendees

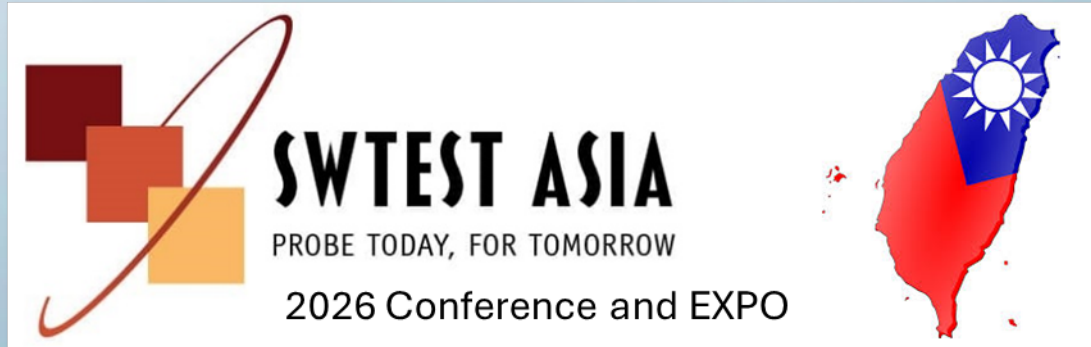


SWTest San Diego and SWTest Asia

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Save the Date for 2026!



7th SWTest Asia

Nov. 4 to 6, 2026

Hsinchu Sheraton, Taiwan

- **SWTest Asia Taiwan Program Chair**
 - Clark Liu (Taiwan MJC Co., Ltd.)
- **SWTest Asia Program Coordinator**
 - Haruko Yoshii (Formfactor, K.K.)
- **SWTest Asia Japan Program Chair**
 - Nobuhiro Kawamata (Formfactor, K.K.)



SWTest San Diego Team

• SWTest Executive Team

- Jerry Broz, PhD, General Chair and Sr. Member IEEE
- Patrick Mui, Technical Program Chair
- Rey Rincon, Operations Chair

SWTest is organized, coordinated, and executed through the efforts of your colleagues.

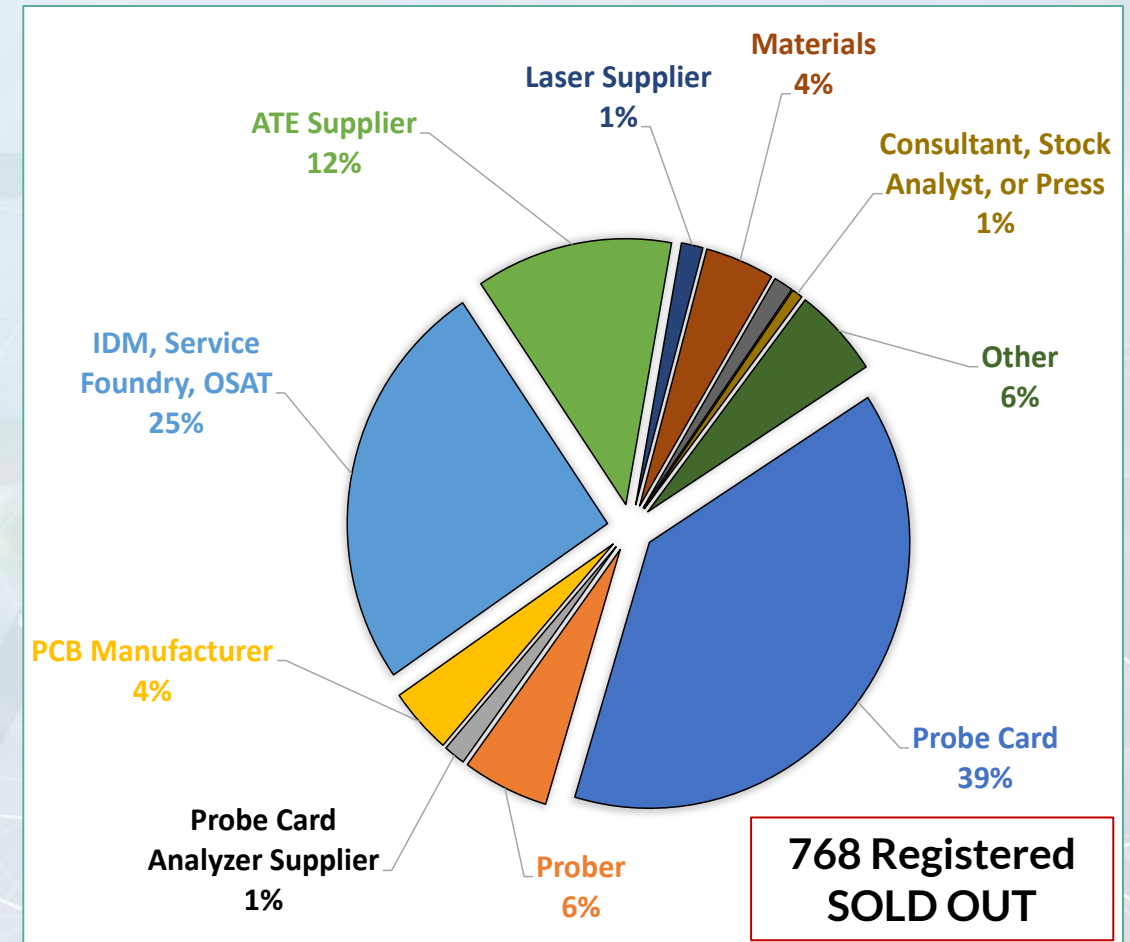
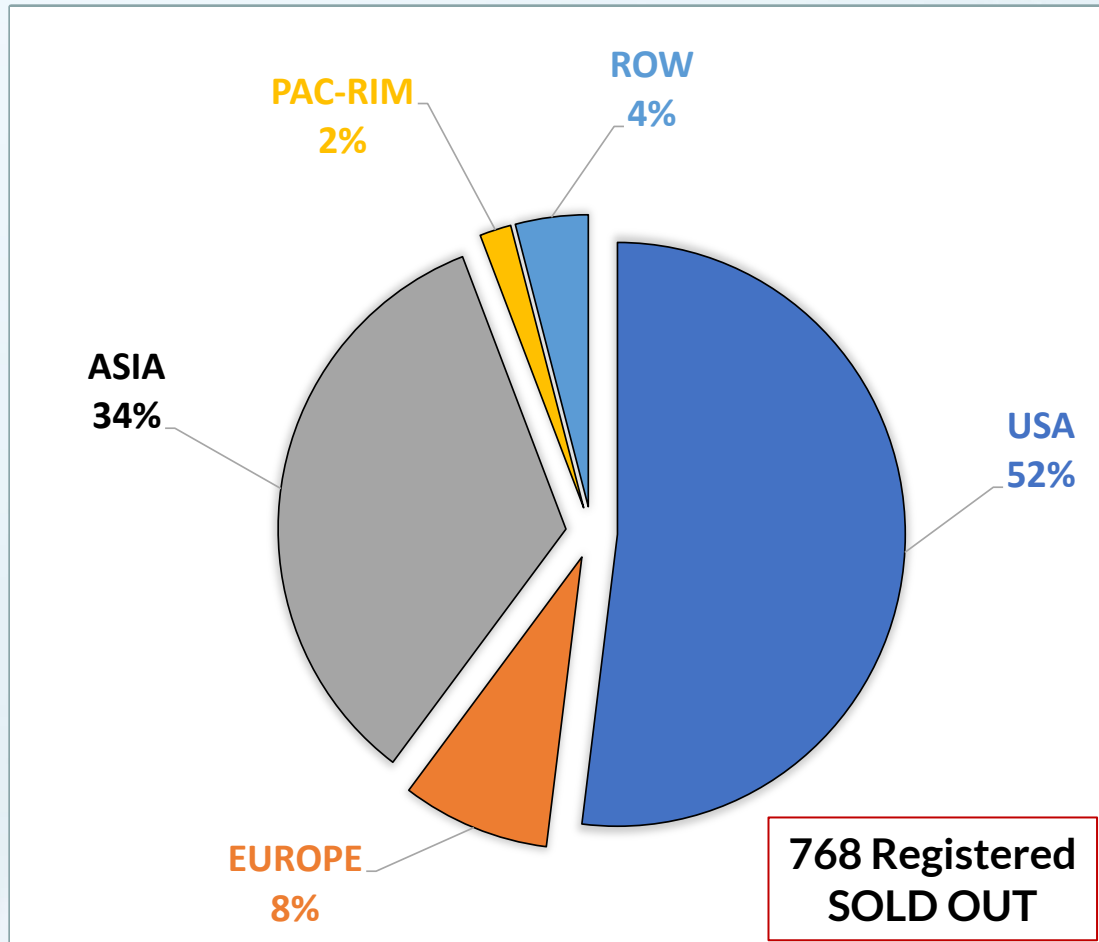
• Technical Program & Steering Committee

- John Caldwell, MEC (US)
- Geert Gouwy, imec (Belgium)
- Alistair Laing, Micron Technology (US)
- Clark Lui, TWMJC (Taiwan)
- Muru Meyyappan, Lattice Semiconductor (US)
- Mark Ojeda, Infineon (US)
- Kenny Tang, TSMC (Taiwan)
- Raffaele Vallauri, Technoprobe (Italy)
- Joey Wu, TOWARD (Taiwan)

• Steering Committee

- Davide Appello, Technoprobe (Italy)
- Karen Armendariz, Celadon (US)
- Michael Huebner, PhD, Consultant (Germany)
- Nobuhiro Kawamata, Formfactor KK (Japan)
- BC Kim, Samsung (Korea)
- JY Kim, TSE (Korea)
- Karan Maniar, AEM (US)
- Matthias Schnaithmann, PhD, FeinMetall (Germany)
- Andrew Yick, PhD, Marvell (US)
- Matt Zeman, PhD, Formfactor (US)

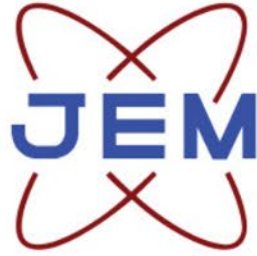
SWTest 2026 Participation



SWTest Provides a Balanced Attendee Demographic

Thanks to Our Platinum Sponsors

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Thanks to Our Gold Sponsors

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Heraeus
Precious Metals

Nidec
All for dreams

OXFORD
LASERS

SEMICS

TERADYNE

posalux
SWISS MADE 

T. I. P. S.
Technical Innovation – Physical Solutions

inTEST EMS
an inTEST Company

ADVANTEST

XingR

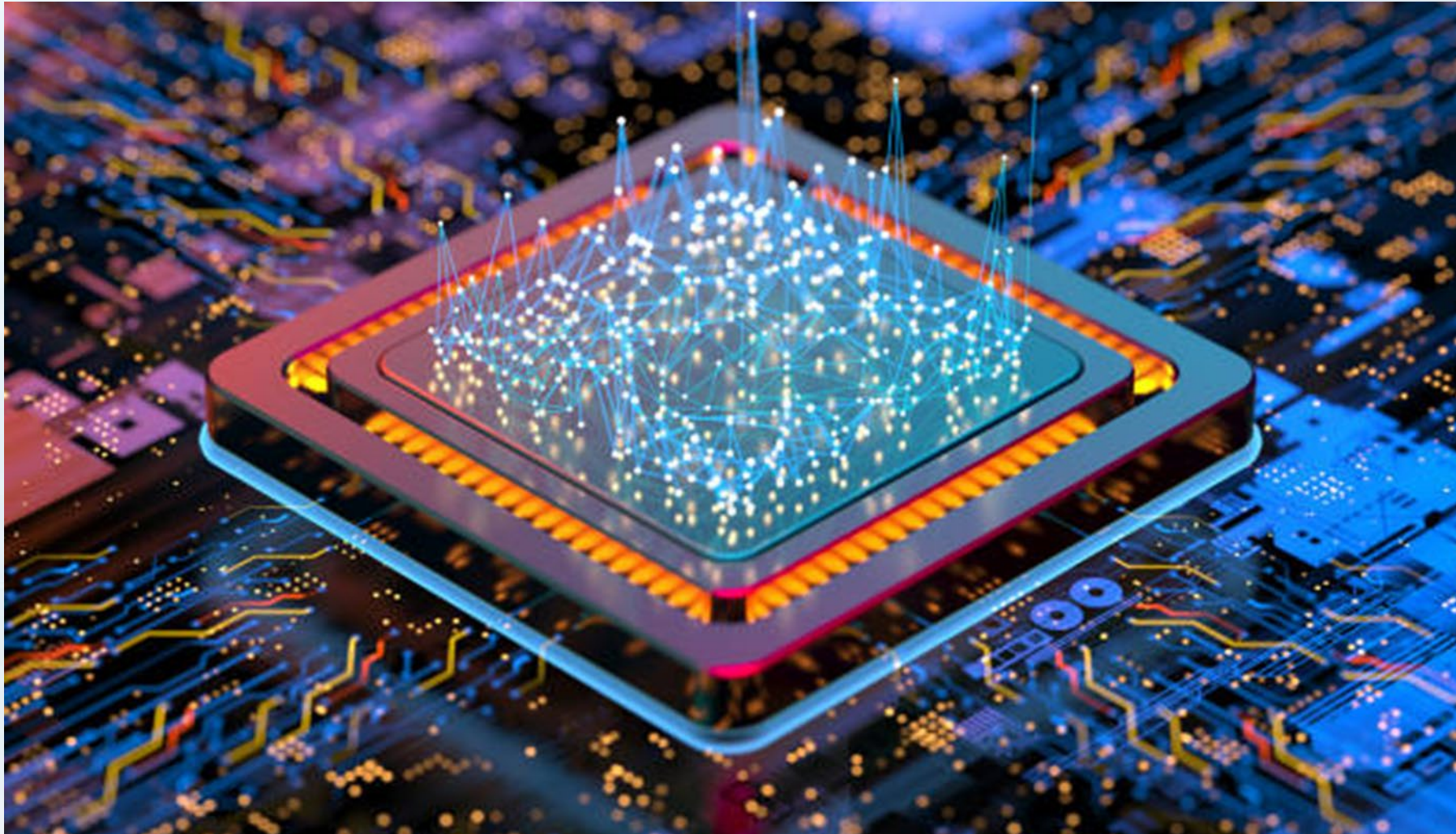
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Thanks to Our Silver Sponsors

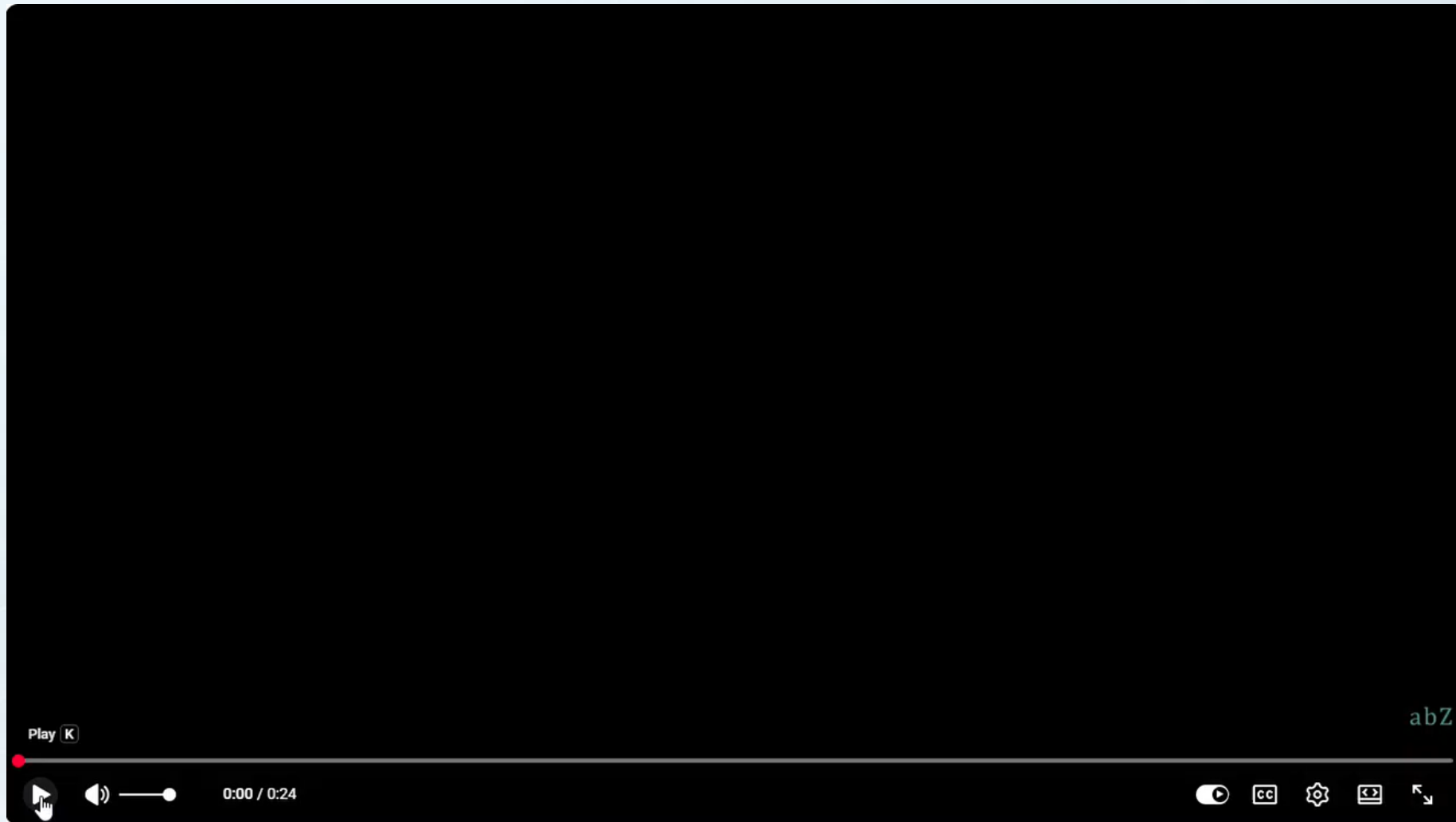


Semiconductor Landscape

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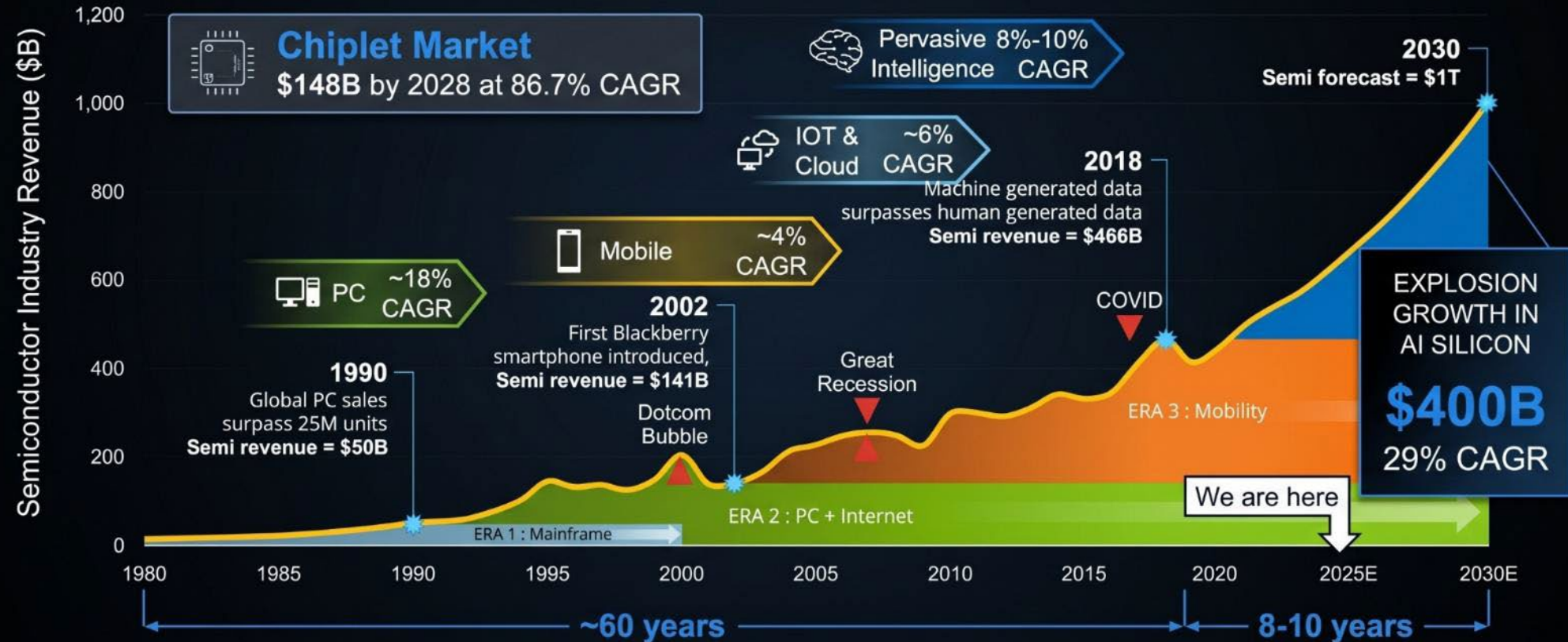
The AI Era



Unprecedented Growth | AI Era

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100% of Data Center AI Chips will be Multi-Die Designs



1. Sources: SIA/WSTS (historicals); forecasts based on Gartner, TechInsights, IDS, SIA/WSTS and consensus analyst forecasts for leading semiconductor companies
2. Sources: Gartner, AMD, Nvidia, Intel, Goldman Sachs, Teradyne (historical era analysis).
3. Source for AI Silicon data points: [Source list from image 0].

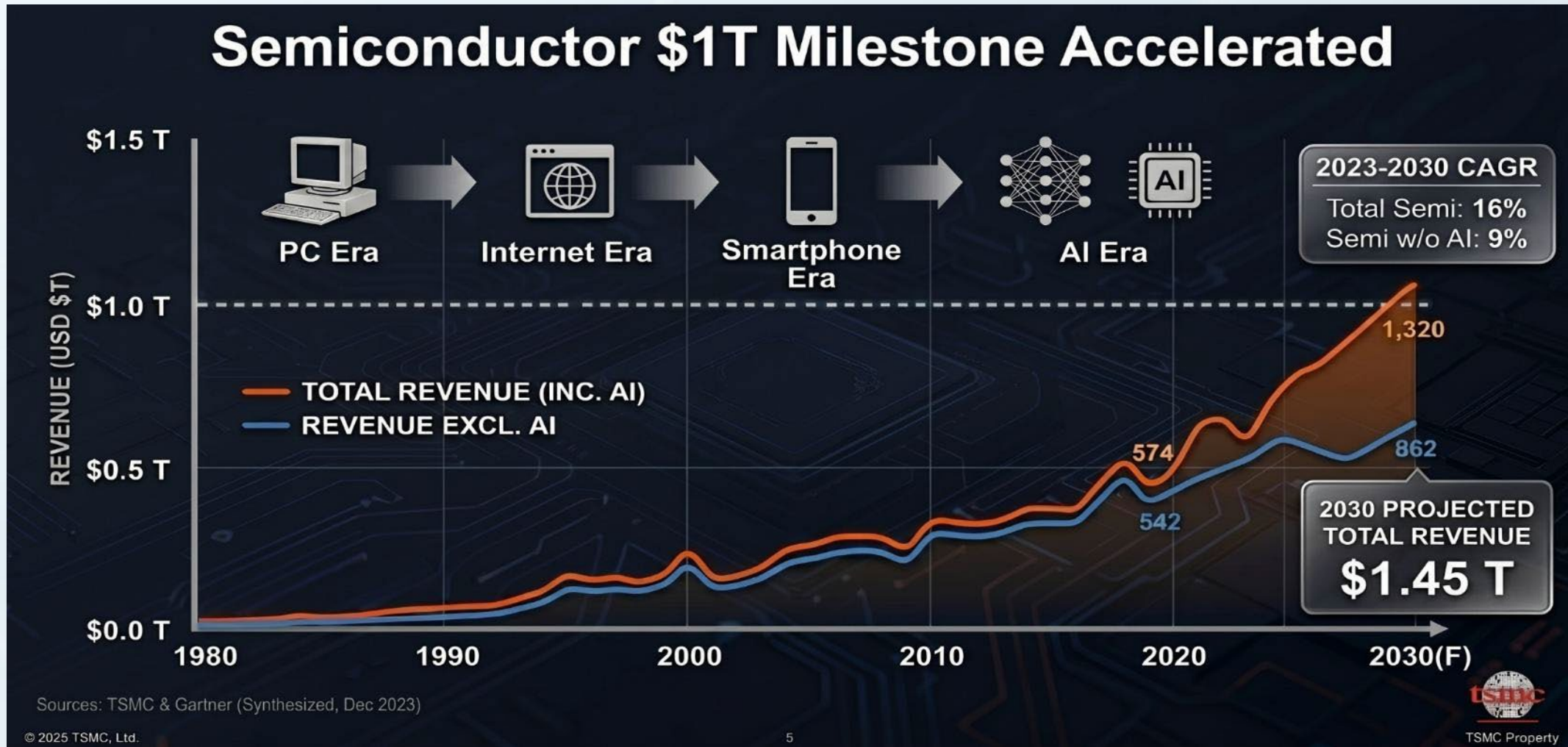
Synopsys Keynote at Chiplet Summit 2025
Teradyne Keynote at IEEE ITC 2025

Process Everything | Store More Data | Compute Faster

Unprecedented Growth | AI Era

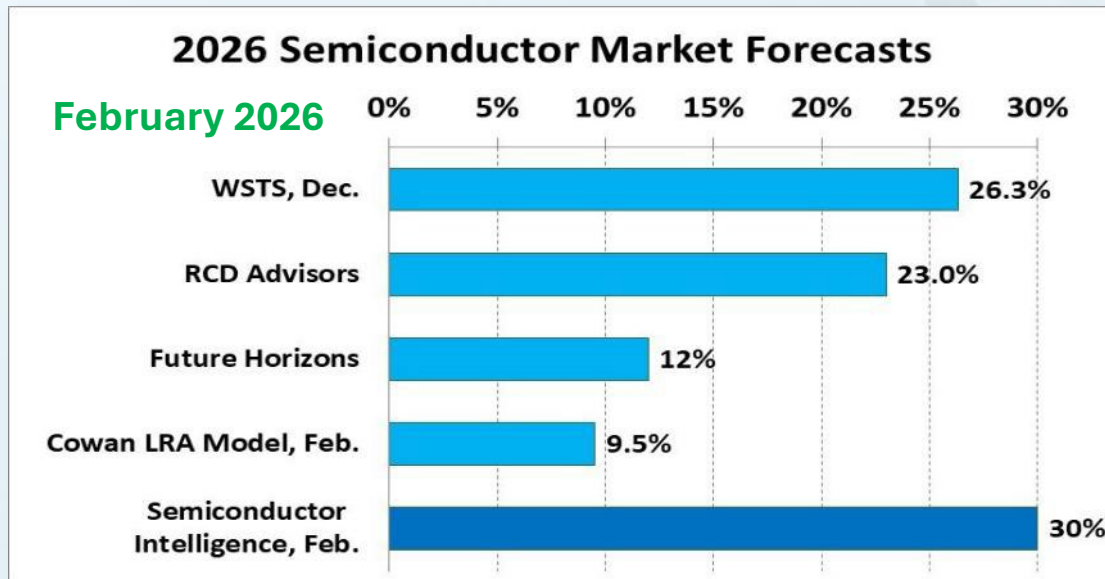
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Semiconductor \$1T Milestone Accelerated



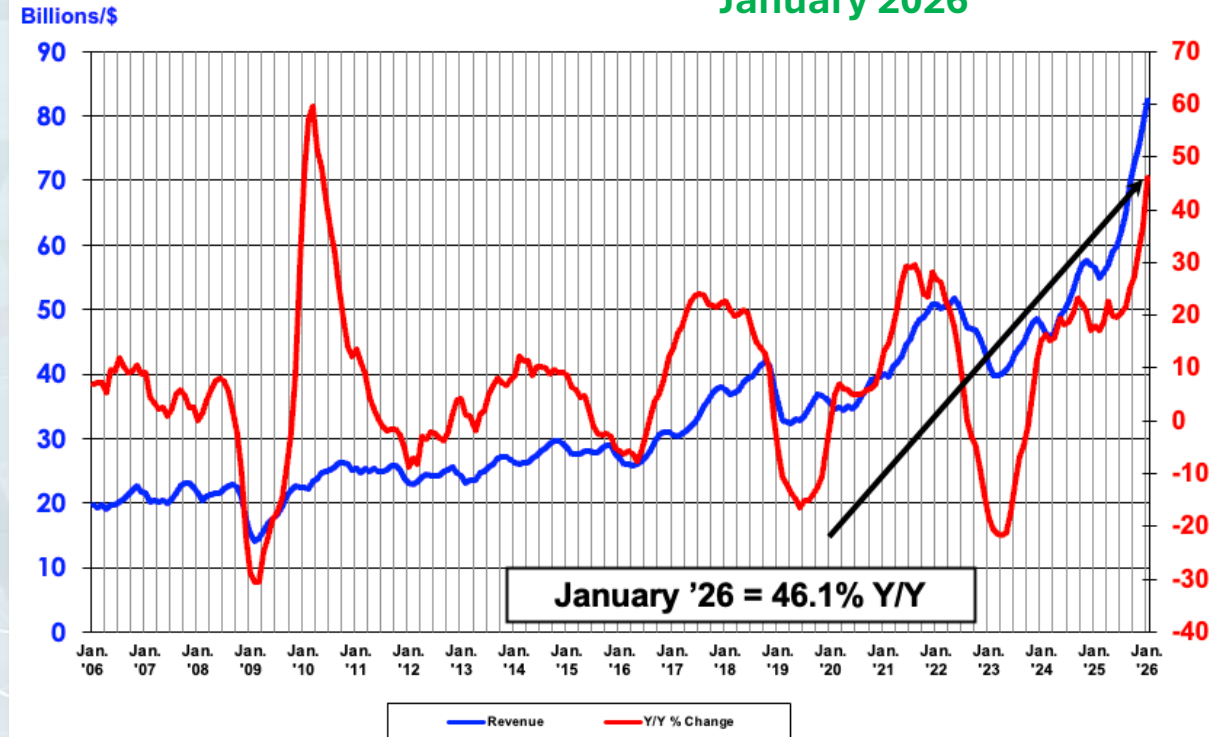
Process Everything | Store More Data | Compute Faster

Unprecedented Semi-Growth



Worldwide Semiconductor Revenues Year-to-Year Percent Change

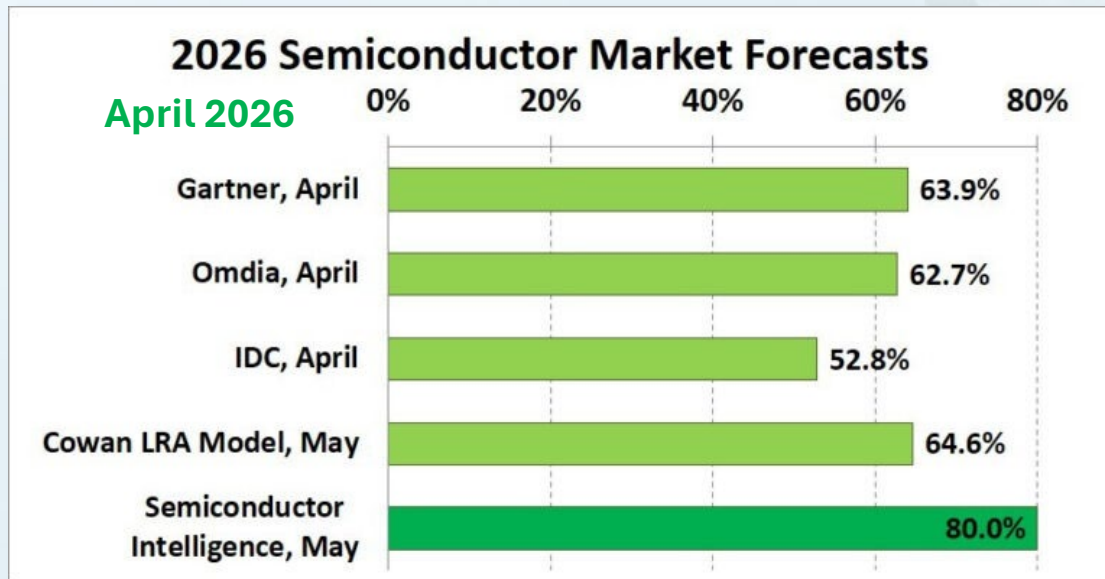
January 2026



Source: WSTS

Unprecedented Semi-Growth

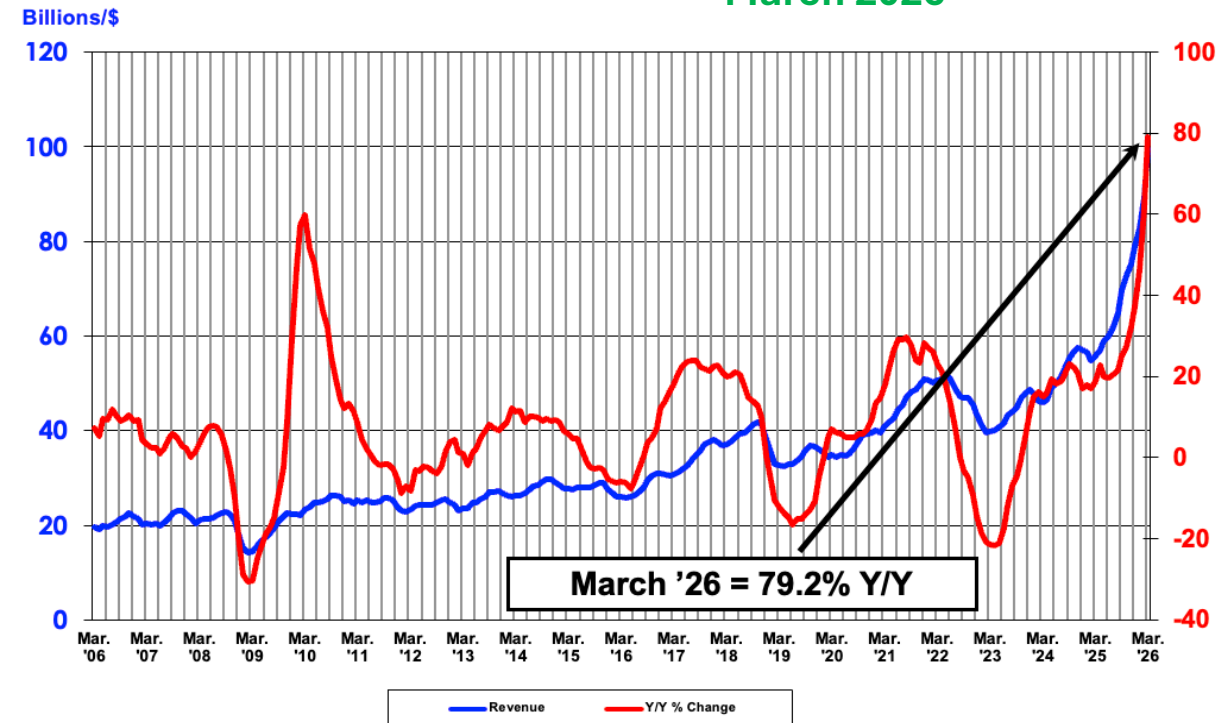
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Worldwide Semiconductor Revenues

Year-to-Year Percent Change

March 2026



Source: WSTS

Unprecedented Growth | AI Era

2026: Semiconductor Market Surpasses USD 1.5 Trillion Driven by Extraordinary Memory Expansion

Following exceptionally strong results in late 2025 and early 2026, the global semiconductor market is now projected to grow 90 percent in 2026, reaching USD 1.51 trillion.

Global semiconductor market (billion US\$)

Actual & Forecast in billion US\$, YoY growth in percent

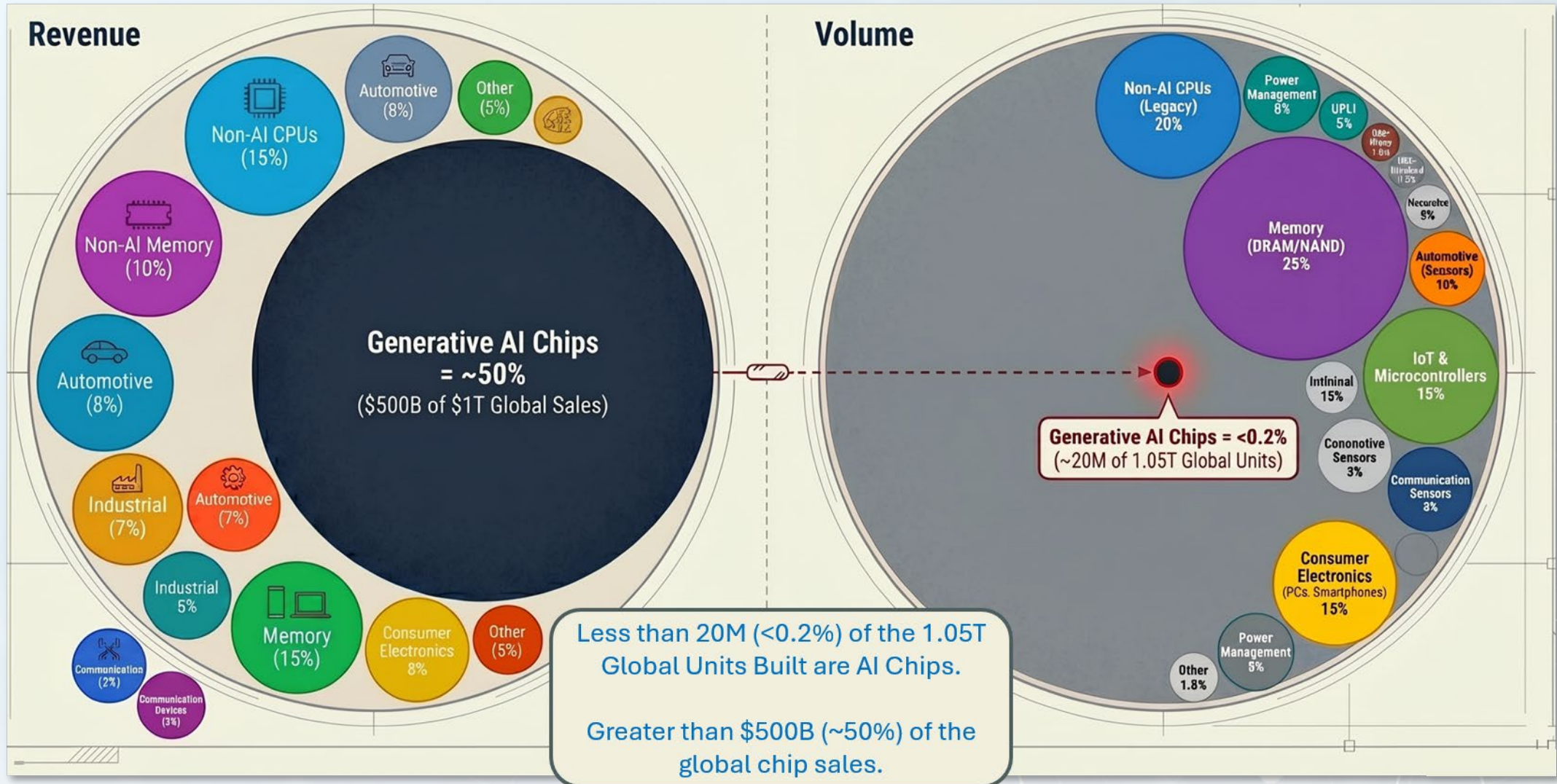


Actual | FC



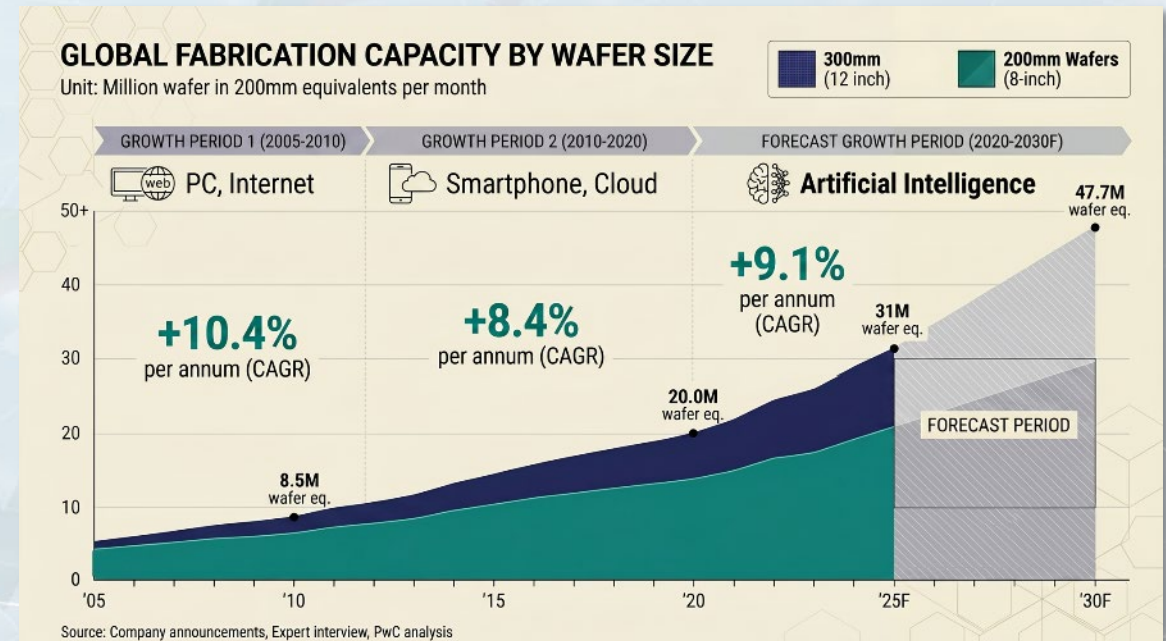
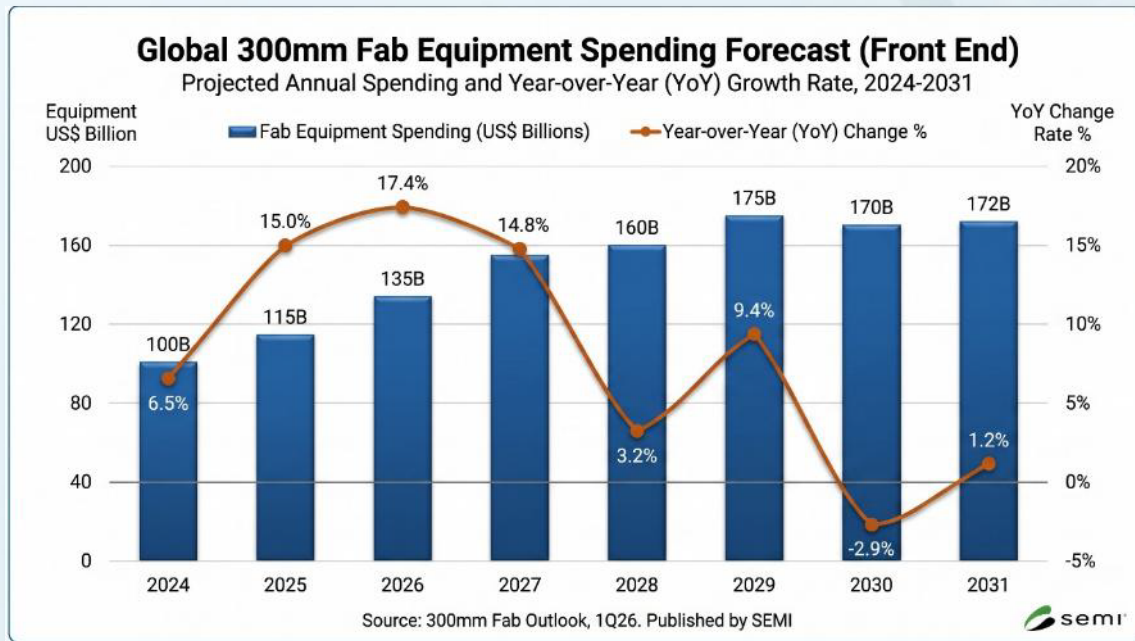
Generative AI Chips Drive the \$1.5T

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Wafer Capacity Growth

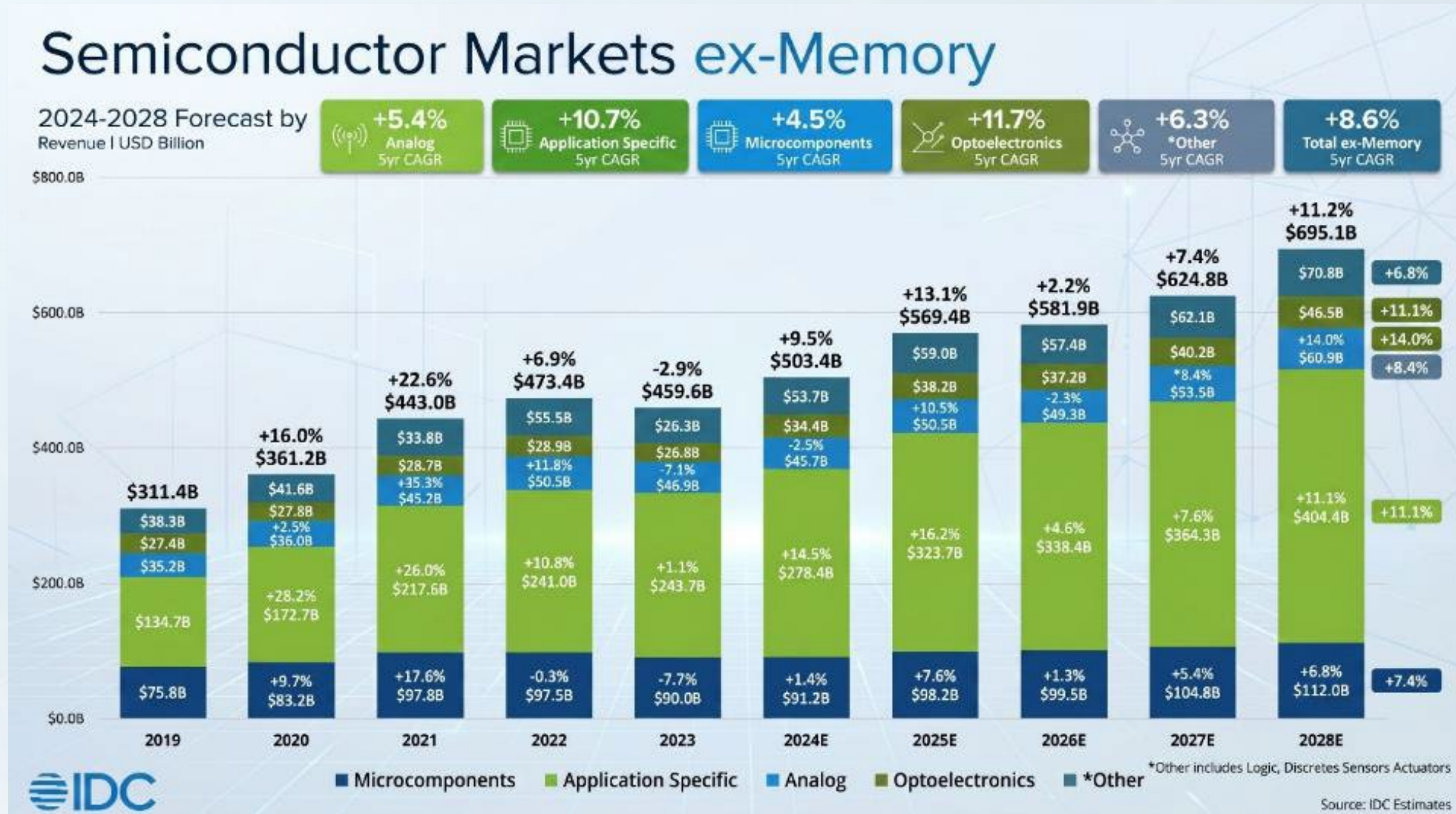
- Total global installed 300-mm capacity is projected to increase by 6% in 2026 and sustain a steady growth rate of approximately 7% annually from 2027 through 2029.



- Semiconductor industry is entering a pivotal era of transformation, driven by unprecedented demand for AI-enabled technologies and a renewed focus on regional self-sufficiency

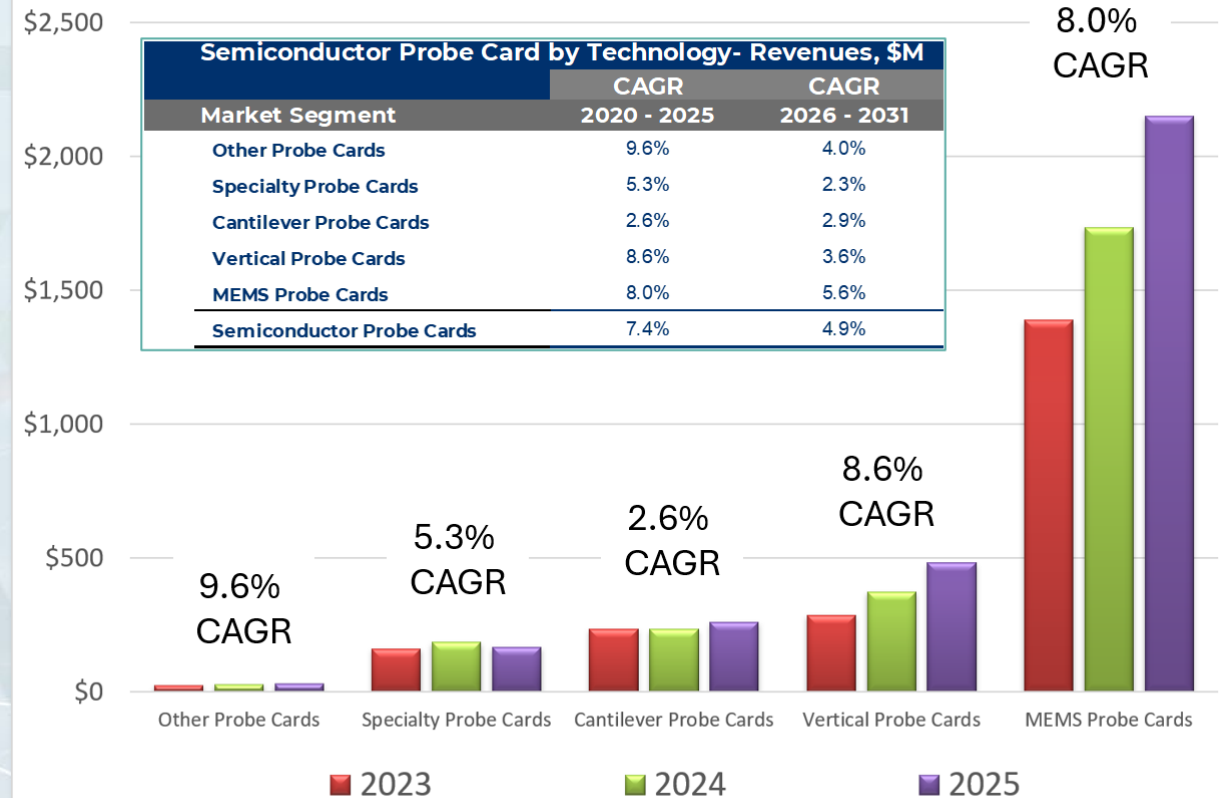
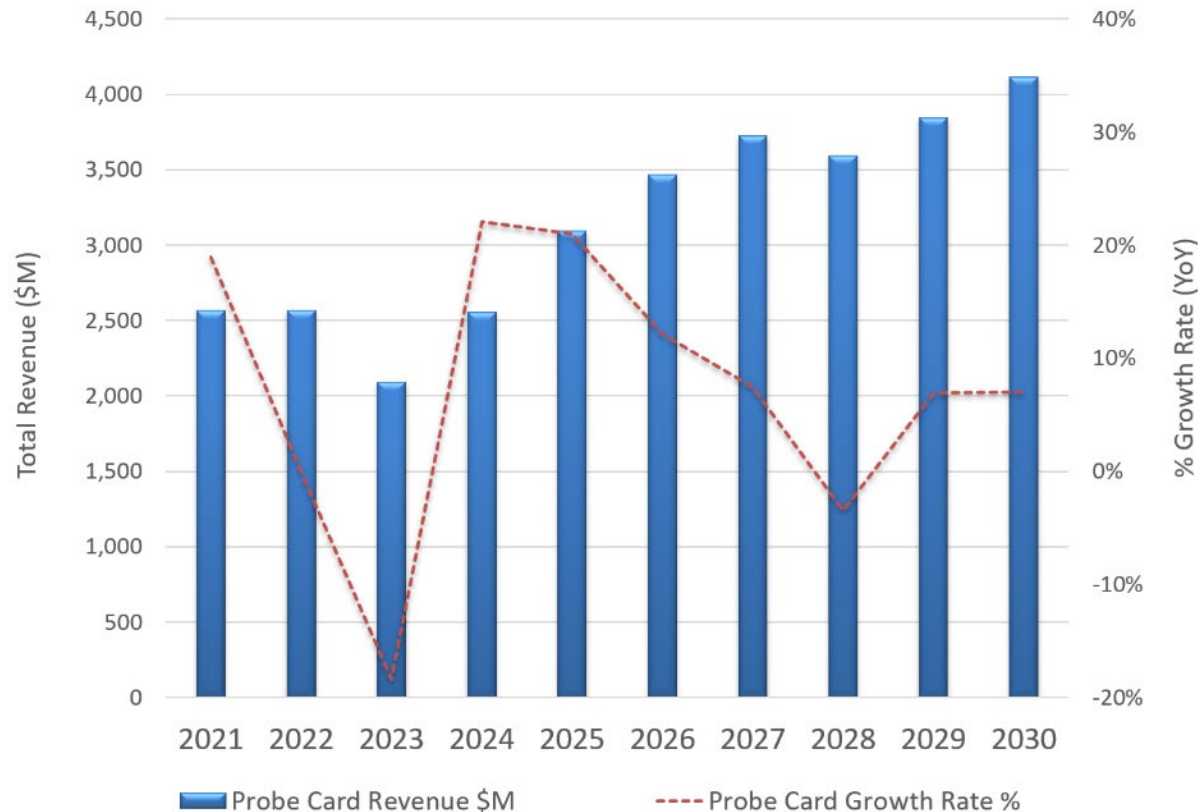
Semiconductor Markets (ex-Memory)

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Probe Card Market

Semiconductor Probe Card Forecast - Revenues, \$M



Top Probe Card Vendors of 2024

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Semiconductor Probe Cards

Sales, \$M, Calendar Year



Thanks to TechInsights
• Panchami Phadke
• Boris Metodiev

Rank	Company	PRELIMINARY Market	% Growth
		2025	YoY
1	Technoprobe	709.5	20.5%
2	FormFactor	638.0	2.1%
3	Micronics Japan	458.1	29.6%
4	MPI Corporation	303.8	47.9%
5	JEM	197.7	50.6%
6	MaxOne Semiconductor	139.1	52.9%
7	TSE	101.9	70.6%
8	Nidec SV TCL	90.2	21.2%
9	STAr Technology	61.5	8.0%
10	CHPT	33.4	0.2%
	Other	492.0	13.7%
	Probe Cards	3225.0	22.3%



Semiconductor Probe Cards

Sales, \$M, Calendar Year



Thanks to Yole Group
• John West
• Nur Hilwani Razi

Rank	Company	Market	% Growth
		2025	YoY
1	FormFactor	637.8	1.6%
2	Technoprobe	480.9	17.0%
3	Micronics Japan	466.9	33.6%
4	MPI Corporation	295.0	51.3%
5	JEM	193.3	55.6%
6	MaxOne Semiconductor	136.6	58.6%
7	TSE	97.6	72.7%
8	Korea Instrument	75.1	7.7%
9	STAr Technology	68.1	28.3%
10	WinWay	63.8	-
	Other	576.6	16.2%
	Probe Cards	3091.5	22.7%



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SWTest 2026 Program Overview

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- **Sunday, June 7**

- William Mann Memorial Benefit Golf Tournament



- **Monday, June 8**

- Technical Program with a Visionary Keynote and 4-Technical Sessions / Poster Session
- SWTest EXPO with 70-Key Suppliers and w/ Meal Reception Stations
- Connect and Network with your Colleagues

- **Tuesday, June 9**

- SWT Crew Update and 4-Technical Sessions / Poster Session
- SWTest EXPO with 70-Key Suppliers and w/ Meal Reception Stations

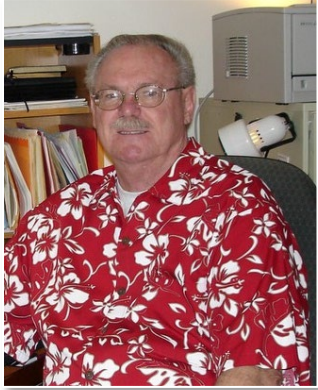


- **Wednesday, June 10**

- Technical Program with 2-Technical Sessions
- Conference adjourns

SWTest Social Responsibility

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Bill Mann
Founder of SWTest

William Mann Student Travel Grant

- Partially funded by the Sponsors and Exhibitors Golf Team registration fees.
- SWTest Conference provides a stipend of up to \$1,000 to cover expenses for travel, hotel accommodations, and student registration.

Student Grant was Awarded for 2026

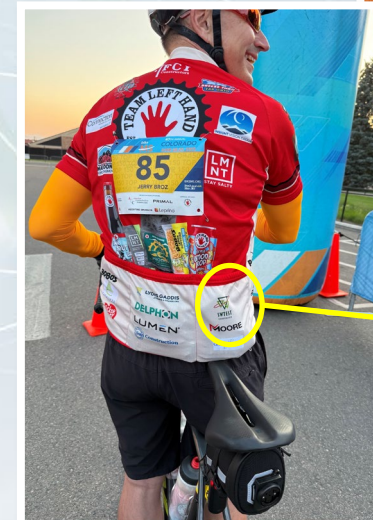
Arnel Pelina

Undergraduate Student
Mechanical Engineering
Oregon State University



Multiple Sclerosis – Bike MS: Colorado

- Sponsorship and Fund-Raising
- Bike MS: 2-day Benefit Ride for > 150-miles



SWT Crew Mentoring Initiative



SWT Crew
Strong Women Together

Connecting. Rising. Engaging. Worldwide.

SWT Crew is making a meaningful difference in the thriving on-wafer probe community.



SWTEST
Women Registrants

2019
4.6%



2025
10%



**Industry
Education**



Networking



Mentorship

With your continued support, we can keep building momentum.

SWT Crew Mentoring Philosophy

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The 1-Year Mentorship Journey

Kickoff: June 2026 | Closure: June 2027

Our Mentorship Philosophy

Mentee: Be Ready to Learn.



Define personal & career goals



Maintain a proactive learning journal



Stay flexible and embrace the risk of change

Mentor: Be Ready to Share.



Act as a teacher, guide, and friend



Foster two-way relationship learning



Maintain unconditional positive attitude (not just coaching)

2026 SWT CREW Committee

Leadership

Karen Armendariz (Celadon Systems) – Chairwoman

Outreach

Michele Jorgenson (Celadon Systems)

Networking & Recruiting

Karen Lynch (MJC Electronics)
Yuka Muto (Formfactor)
Adrienne Sanchez (DFW Test)

Marketing & Recruiting

Marita Villareal (Technoprobe)

Learn About the SWT Crew Program

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Join the Momentum:
Networking Event and Mixer



SWT Crew
Strong Women Together



**Costa Del Sol
Terrace**



Tuesday @ 3:30 PM

[Learn More](#)

[Win Prizes](#)

[Support Us](#)

[Sign Up!](#)



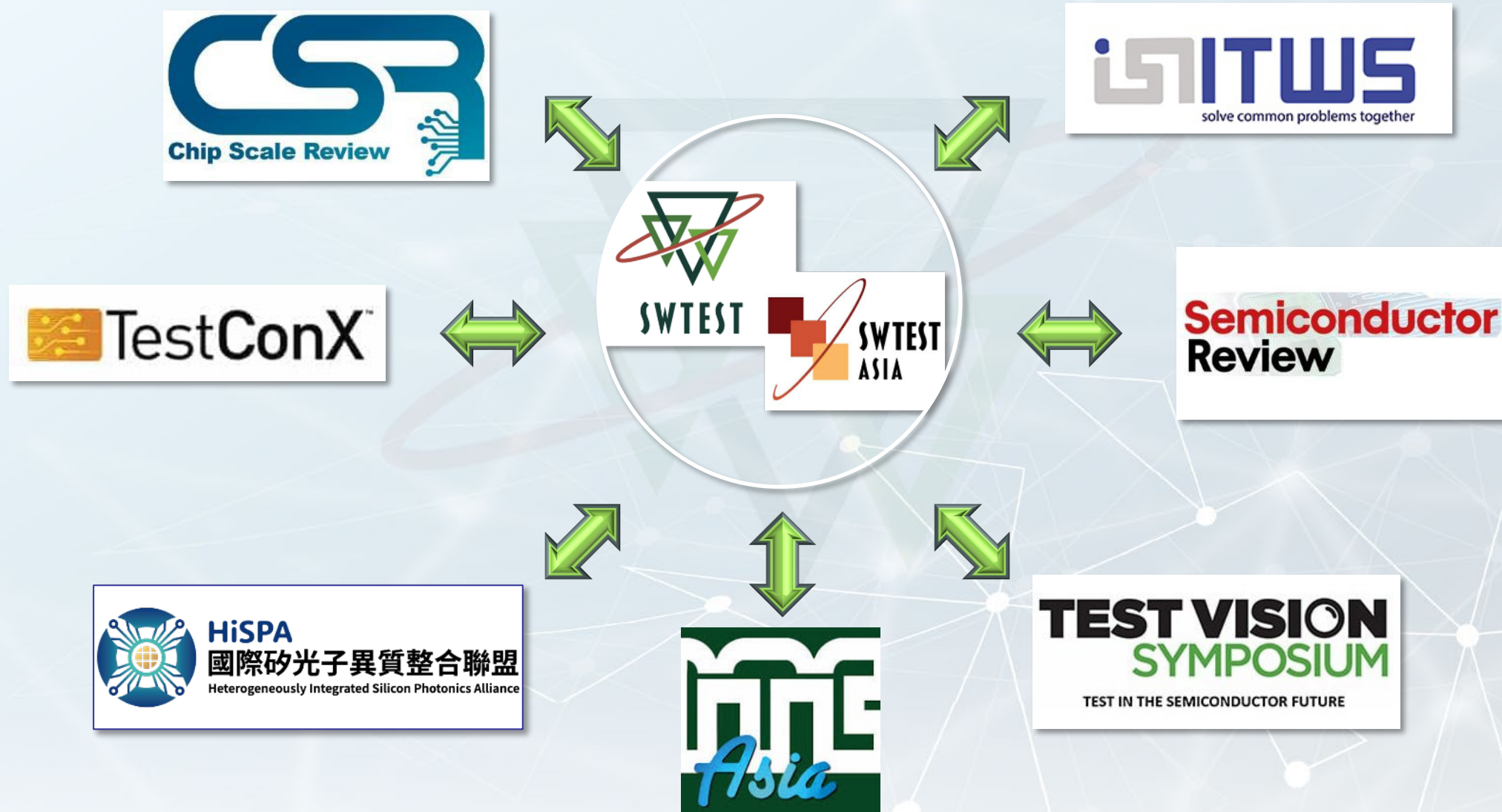
Join us to connect with fellow participants, hear their experiences,
and sign up for the 2026-2027 Mentorship Program!

Recognition & Awards

- **Best Poster Presentation**
 - **Best Presentation, Tutorial in Nature**
 - **Most “Inspirational” Presentation**
 - **Best Data Presentation**
 - **Best Overall Presentation**
 - **People’s Choice Award**
-
- **A presentation from SWTest 2026 will be selected for publication in upcoming Chip Scale Review.**



SWTest Cross-Promotions



Monday, June 8, 2026

8:00 to 8:30 Opening Remarks for SWTest 2026

Jerry Broz, PhD (SWTest General Chair)

8:30 to 9:30 - Visionary Keynote

Connectivity Scalability: Architecting the
Invisible Backbone of the AI Data Center

Radha Nagarajan, PhD

Sr. Vice President and CTO
Optical Engineering Group

