

# FutureHorizons

The Global Semiconductor Industry Analysts



## FUTURE HORIZONS Presents

### Attendance Includes:

- Essential Information
- Convenient Timing
- On-Line Location
- Presentation Slides

*plus Interactive Q&A*

*“When People Want The ‘No-Nonsense’ Truth They Come To Future Horizons”*

**Get The Proven Expert’s  
View At Future Horizons’  
Market Outlook & Forecast**

**The Facts, The Analysis  
*Plus* The Reasons Why**

## IFS2023-September Industry Update & Outlook

### o 2023 Overview ...

What’s Happening & Why

### o 2024 Outlook ...

What Are The Market Trends

### o Supply & Demand ...

CapEx & Capacity Trends

### o Industry Mega-Trends ...

The Key Factors Analysed

- \* We Were The Only Analyst To Warn Supply Chain Shortages & Allocations Were Inevitable In 2021
- \* We Were The Only Analyst To Warn Of The 2H-2022 Market Downturn
- \* We Were The Only Analyst To Correctly Forecast A Double-Digit Decline In The 2023 SC Market

Our IFS Insights Have The Best Industry Accuracy Track Record, Join Our IFS Webinar & Find Out

- Has The Market Bust Finally Turned The Corner?
- What Is The Market Outlook For 2H-2023?
- What Will Be The Likely Remifications For 2024?
- How To Build Resilient Business Strategies
- Get Advanced Copies Of All Slide Material Presented

Get the latest insights at Future Horizons’ IFS2023 Sep Semiconductor Industry Update

**Sep 12, 2023 - 1hr Zoom Webinar  
Plus Interactive Q&A - 3pm UK BST**

## Who Should Attend?

### The Forecast is Vital For Executives Responsible For:

- o Market Research & Marketing
- o Strategic Marketing & Planning
- o Executive Management
- o Purchasing & Acquisition
- o Finance & Administration
- o Sales & Distribution Channels
- o Investment & Banking
- o Engineering & Design
- o Project Management
- o Government Organisations
- o Business & Technical Press

### Sign Up Now ...

### Get The Proven Experts' View Future Horizons

Established in 1989, Future Horizons provides a range of semiconductor market research and business support services. Together with its wholly-owned Moscow-based subsidiary, East-West Electronics, Future Horizons is the world's leading authority on the Russian and East European electronics market.

It was also a member of the 1994 European Commission sponsored Cornu Panel of senior industry executives responsible for publishing the "Report of the European Microelectronics Panel" used to help formulate a strategy for future EC microelectronics support in Europe, and undertook a justification analysis for the European governments for both the MEDEA and MEDEA+ programmes.

More recently it co-authored a comprehensive report on the potential 450mm transition and was a key contributor to the EU 10/100/20 & 2023 Chips Act initiatives and strategy.

Malcolm Penn, founder and CEO of Future Horizons, has over five decades of experience in the semiconductor and electronics industry, and has worked extensively throughout Europe, the USA, the former USSR, Japan and Korea.

Prior to establishing Future Horizons, Mr Penn was Vice President of Dataquest and set up their European semiconductor and other market research activities. Before joining Dataquest, he was Manager of Component Engineering for ITT Europe (now Alcatel) and prior to that held various operations and marketing management positions within the ITT SC worldwide group.

## Get The Inside View At IFS2023

The semiconductor industry is a volatile business where insights, experience and professionalism are key. Strategically timed, the September Market Update summarises and presents the extensive research capability of Future Horizons industry analysts. Giving you the information to confidently plan for the future.

Now in its 34th year, Future Horizons' routine insights are a proven vital link in our charter to provide the industry with high quality, cost effective, accurate market research.

Whether a seasoned veteran or industry newcomer, this event is invaluable to executives from the semiconductor, electronics and related industries. Seminar delegates will receive copies of all the material presented in electronic format.

### Why Attend?

- o Hear an independent assessment of the world economic outlook
- o Get clarification of what is expected to happen in the industry for the coming months and beyond
- o Understand the industry cycles and their effect
- o Review industry outlook for the next one to five years
- o Identify key application and technology issues and trends
- o Update statistics and analysis for internal company decisions
- o Meet new business contacts saving valuable time and money
- o Challenge the experts, test your business positions

***We tell the facts PLUS the reasons why...***

***Meet the analysts - Get the facts - Hear the arguments***

***Clarify judgements - Justify positions***

**"Lack of visibility today makes it very difficult to see what is around the corner, making planning very difficult. These events always give me clarity and a new perspective"**

**"This event is a good opportunity to stay focused, it is very valuable to get this opportunity throughout the year"**

**"It is always a refreshing experience to interact with Future Horizons, given their deep insights and industry knowledge ... this event really adds value to our planning and thought processes"**

### Benefits of Attending

- o Attending the webinar will give you the insight to identify the industry patterns and market conditions you can expect to see in the future
- o Forecast data and industry market analysis will enable you to analyse your business models and plans, make more confident business decisions and allocate and adjust your resources accordingly
- o Immersing yourself in up-to-date industry information will give you the knowledge and confidence to move ahead of the competition

Has the chip market bust come to an end? What fate now awaits the industry? Find out the answer to these and other key questions at Future Horizons' IFS September Semiconductor Industry Update Webinar, Sep 12, 2023 - 3pm UK BST (GMT+1)

## Agenda Includes

### Section 1

#### Forecast Teardown

- \* What we said in Jan/May
- \* What actually happened

### Section 2

#### Economic Outlook

- \* Current world outlook
- \* GDP growth trends

### Section 3

#### Industry Mega-Trends

- \* IC Unit Demand
- \* IC ASPs

### Section 4

#### Supply & Demand

- \* CapEx & equipment sales
- \* Wafer fab capacity trends

### Section 5

#### Industry Forecast

- \* Current industry status
- \* Future outlook

### Section 6

#### Forecast Summary

- \* The basics revisited
- \* Forecast summary

## Suitable For:

- All companies, from startups to established market leaders
- Key decision-makers engaged in the design, fabrication, Supply and use of semiconductors
- Government organisations involved in trade and investment
- Those involved in investing or banking within the electronics industry
- Marketing executives planning future corporate strategy

Please Note The Event Will Be Conducted In English

**FOUR KEY DRIVING INFLUENCES – JAN 2023 STATUS**

- 1. Economy**  
Toxic Mix Of Factors  
(Supply Chain Disruptions, Inflation, Interest Rate Rises, Public & Private Indebtedness, Ukraine War, China Tensions, Stagflation & Recession)
- 2. Unit Demand**  
Running Way Above Long-Term Average  
(7.8b/week vs. 7.0b Trend, Shipments Still Seriously Inflated, Shrinking Lead Times, Slower Than Normal Inventory Burn Rate, LTA Side Effect?)
- 3. Capacity**  
Massive 2021-22 CapEx Spending Spree  
(2022 = Flat on 2021's \$103b, Up 45% vs. 2020, Still Yet To Fall, Wait One More Quarter & Place In The Queue, Low Utilization Rates Now Rampant)
- 4. ASPs**  
Steep Upward Trajectory Collapsed In June  
(18 Month's Supercycle ASP Gain Now Wiped Out, Tier 2/3 Foundry ASP Pricing Under Pressure, Can TSMC Hold The Line?)

**Red Flag Alert – It Doesn't Get Much Worse Than This**

- ◆ Every Single Warning Light Is Still Flashing Red
- ◆ Increase In Capacity Coincident With Softening Market Demand
- ◆ Gloomy Economy Outlook With High Inflation / Interest Rates

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**2023 FORECAST – NO CHANGE FROM MAY 2022 ...**

2023 Outlook (Jan Update)

Quarter	Growth	Value (\$b)
Q1-23	-10.0%	117.521
Q2	-6.0%	110.470
Q3	0.6%	111.133
Q4	-2.5%	108.354
2023	-22.0%	447.479

Forecast

Quarter	Growth	Value (\$b)
Q1-23	-8.0%	120.138
Q2	-2.0%	117.790
Q3	2.0%	120.085
Q4	-1.5%	118.284
2023	-17.0%	476.231

Bull

Quarter	Growth	Value (\$b)
Q1-23	-12.5%	114.257
Q2	-6.0%	105.116
Q3	-0.8%	104.215
Q4	-3.1%	101.043
2023	-26.0%	424.691

Bear

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# Can You Really Afford Not To Be There?

## Book A Place

To register please call, email or book online via our website [www.futurehorizons.com](http://www.futurehorizons.com)

## Fee

Fee options includes webinar attendance and slide set

Webinar starts at 3:00pm UK BST, timed for overall worldwide convenience

(7am US West Coast, 9am Mid-West, 10am East Coast, 4pm Europe, 5pm Russia 6:00pm Armenia, 7:30pm India, 10pm China & Taiwan and 11pm Japan & South Korea)

Unable to attend? No need to miss out, order the IFS video recording and slide-set instead

The Webinar can also be help in-house for convenience, please call for details

## Group Discount

For three or more delegates from the same company.

(To qualify, registration and payment must be received together)

Tel: +44 1732 740440 / e-mail: [forum@futurehorizons.com](mailto:forum@futurehorizons.com)

Future Horizons Ltd  
Sevenoaks | Kent TN15 0LQ | England

# Registration Information

Please Register Me For:

## IFS2023 September Semiconductor Market Update & Outlook

(Send Completed Form By Fax/Mail Or Online)

### Registration

Registration should be made using this form - please copy for additional delegates to qualify for the group discount. Participation is subject to space availability.

**Please register early to ensure availability**

### Group Discounts

Group discount price applies to three or more delegates from the same company  
Group reservations must be made at the same time with the registration fee paid on a single invoice

### Cancellations

No refund for cancellations  
No refunds for no-shows  
Webinar links are for one user / one device personalised and non-transferrable

### Payment Terms

The Webinar link will not be activated until full payment is received. It is the delegate's responsibility to ensure that payment has been made.

### UK VAT

This webinar fee is subject to UK VAT, currently 20%, payable by all attendees, regardless of their country of residence or viewing location. The IFS slide set, which will be delivered electronically and is currently zero-rated. All fees quoted are inclusive of UK taxes. A formal VAT receipt will be issued on request.

Payment can be made by cheque (drawn on a UK bank only), or by bank transfer to: Future Horizons Ltd, Royal Bank of Scotland, Drummond House, Redlands Avenue, Edinburgh EH12 9JN, Scotland, UK  
Sort Code: 16:28:24 / Account No: 11686316 / Swift: RBOS GB 21223  
IBAN #: GB02 RBOS 1628 2411 6863 16

Date	Venue	Check Box
Tue 12 Sep 2023	Zoom Webinar	

### Delegate Details (Or Attach Business Card)

Full Name

Job Title

Company

Full Postal Address

PO No (if applicable)

Phone

Fax

E-mail

Comments / Pre-Event Questions

### Registration Fee (Per Delegate, UK Pounds Sterling) Euro & US Dollar Option Available If Preferred (Please Call)

Standard Rate

Group Rate (3 or more)

**Webinar Only £180.00**  
**(£150 plus £30 UK VAT)**

**Webinar Fee £150.00**  
**(£125 plus £25 UK VAT)**

Proceedings Only (By Email after the webinar broadcast)

Single User - £150.00 \* Library/Enterprise Licence - £650.00

Confirmation will be sent by email on receipt of registration

**Pre-Payment Mandatory** (Or Company PO)

Payment by UK Cheque, Bank Transfer or Credit Card (via PayPal)

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