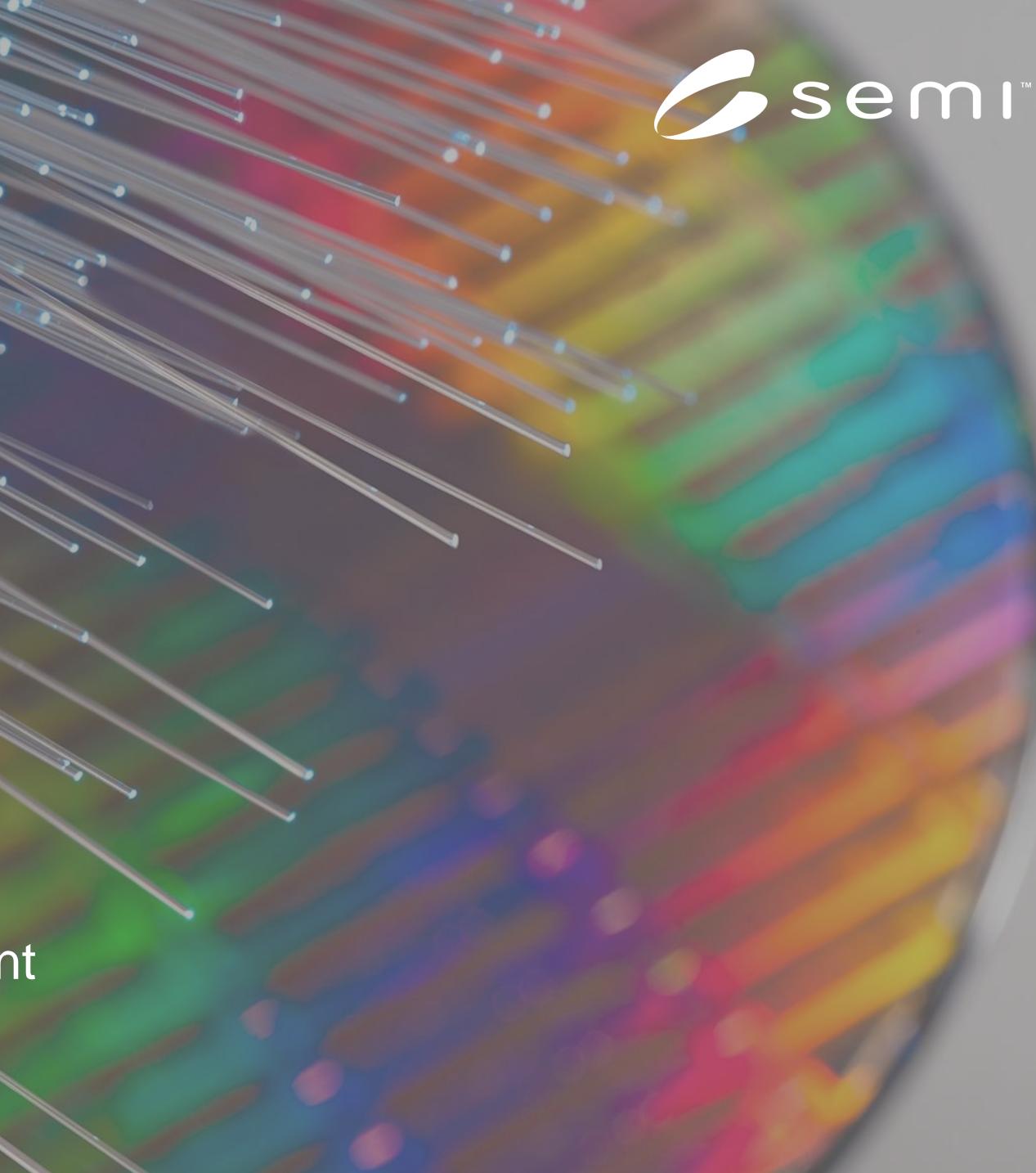
# Stronger Together Photonics & Semi:

Serena Brischetto Director Marketing & Digital Engagement SEMI Europe





## Digitization Driving Exponential Growth, \$1T by 2030



2020

2030 Semi forecast = \$1tn+

### ERA 5: 6G+, Quantum & Neuromorphic, Autonomous Machines

2030E

ERA 4: AI, 5G, AR/VR, IoT, Autonomous, EVs...

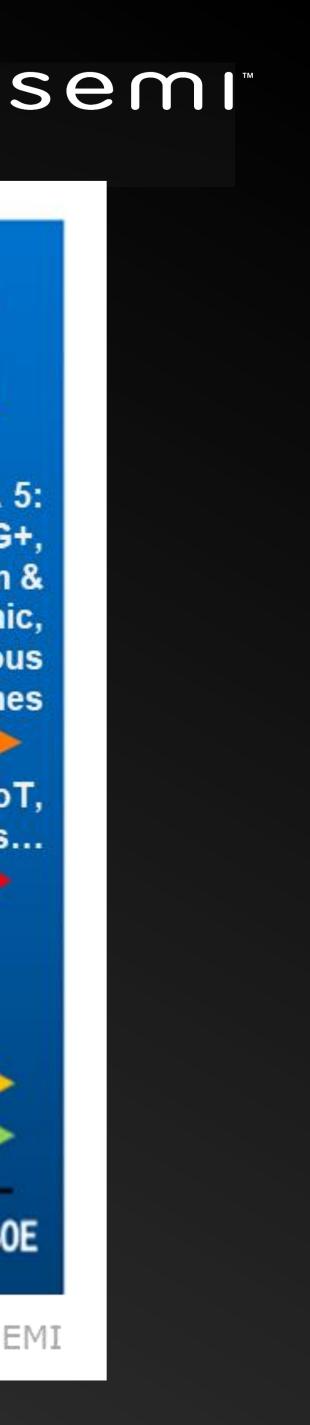
2018 Machine generated data surpasses human generated data Semi revenue=\$469bn

2014

ERA 3: Mobility

2008

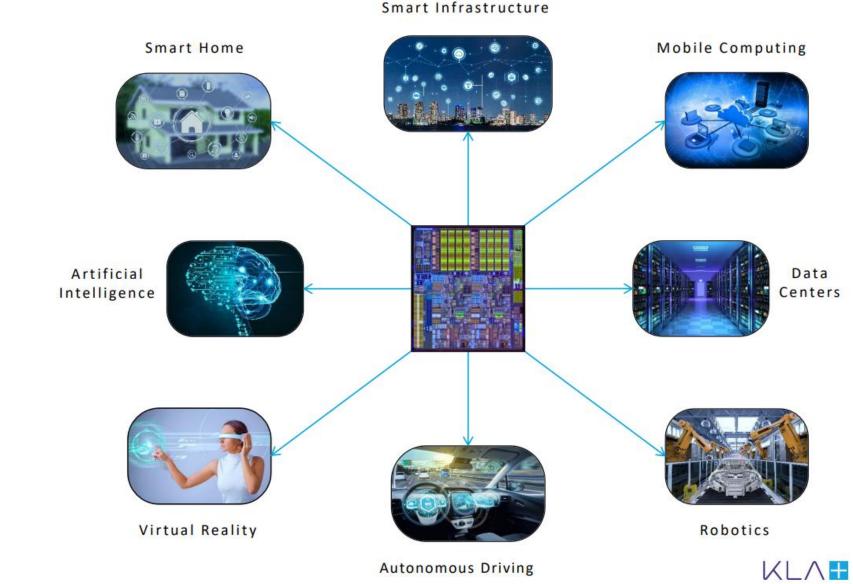
Sources: Bank of America, SEMI



# Growth in Digitization = More Data More Bandwidth

Packaging is key

## Semi





## Demand for High Bandwidth & High Performance is growing exponentially

Low Power & Low Cost? Essential!



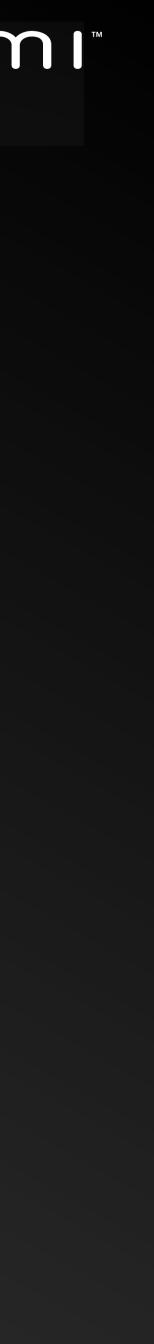




## Photonics & Semiconductors Enabling the Advanced Packaging Roadmap



## Microelectronics & Photonics Two Sides of One Coin





# Two Sides of One Coin



# It's happening!

### **Session 5: Photonics Integration**



4:40 pm -4:45 pm



Ivan Nikitski Technology Manager EPIC

Join EPIC & SEMI!

## Semi

### **Opening Remarks by Session Chair**

Biography



## **SEMICON Europa Highlights**







# SEMICON<sup>®</sup> EUROPA NOV 14 - 17, 2023 MUNICH, GERMANY

## Shaping a Sustainable \$1 Trillion Era

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- VR GAMES
- SEMI UNIVERSITY
- LEADERSHIP ACCELERATOR
- PODCAST STATION
- **ONSITE SPACE SELECTION** 0
- SNACK BAR

### **SEMICON®EUROPA**



## Thank You! Get in touch



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