

An Industrial Perspective: How Microlenses Define the Path of Photonics Integration



Myun-Sik Kim

Principal Strategic Business Development

Integrated photonics, a key technology for the 21st century

Today's success in: Emerging areas of opportunity for academia and industry:



Data Center

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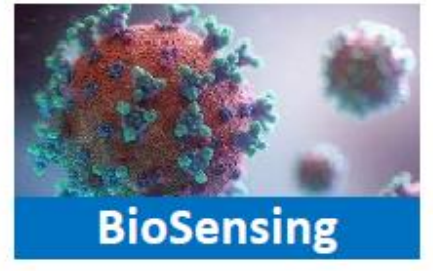
LiDAR



Space



Q Computing



BioSensing



Neurom. Computing



AR / VR



Atomic Clocks



Astronomy



Telecom

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Wearables



5G

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Quantum Crypto



Next big thing

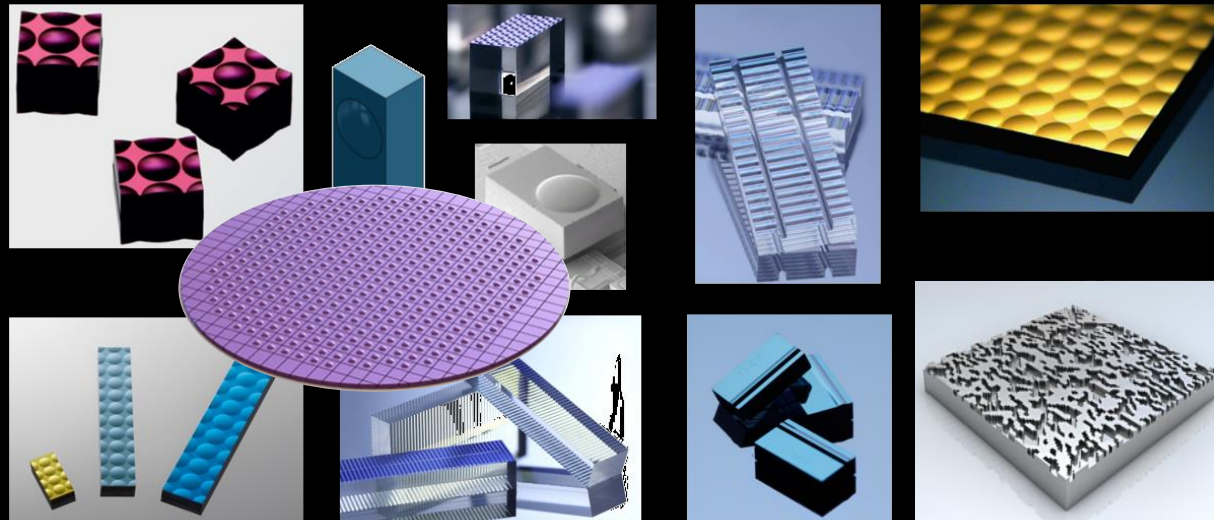
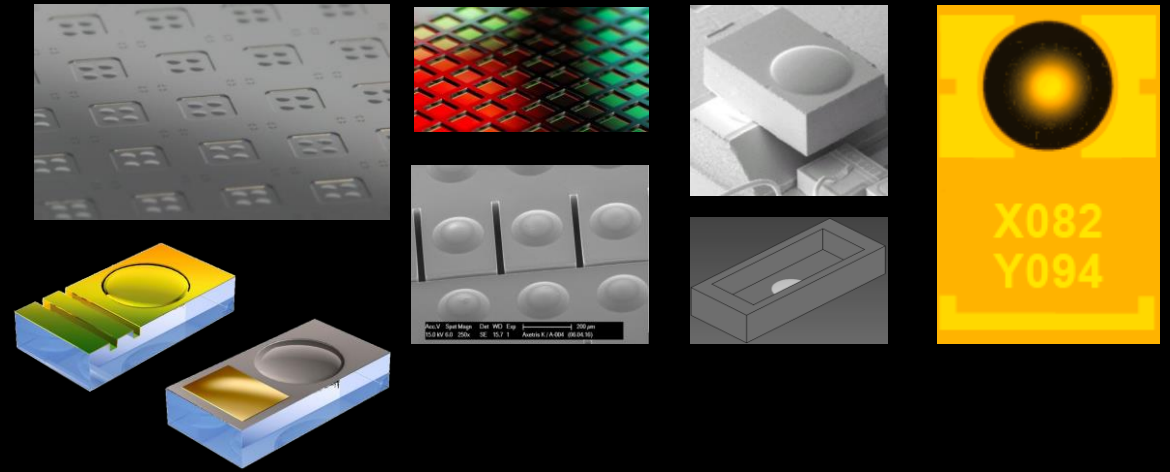
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A Company of the Leister Group



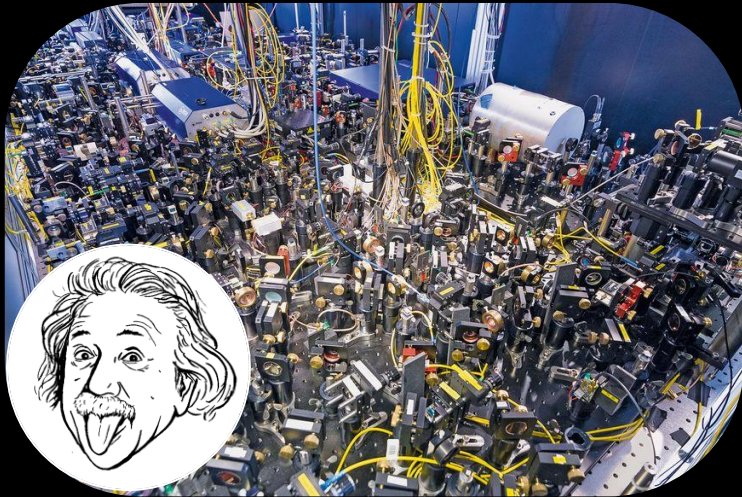
Dr. Myun-Sik Kim

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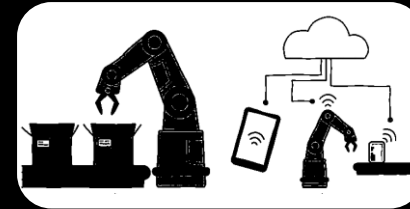


Where Industry brings value in Integrated Photonics?

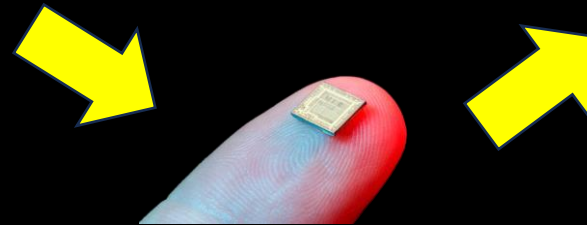
Best performing and 1st in the world
BUT, complex and NOT for Sale



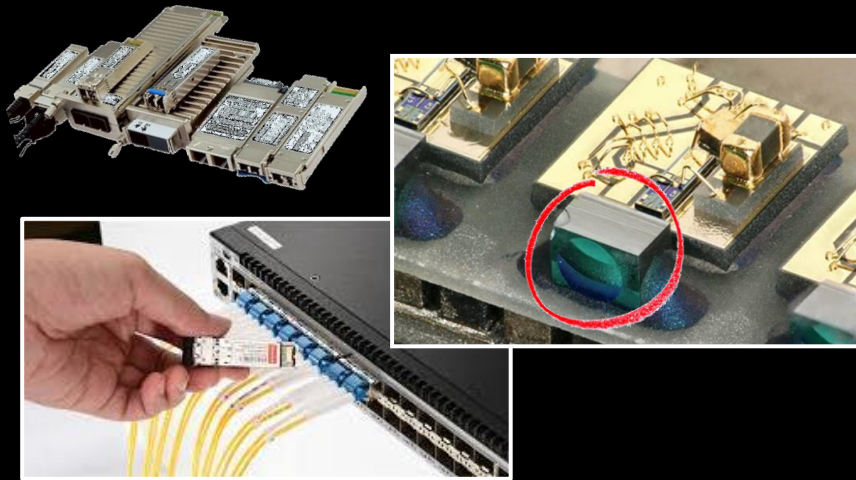
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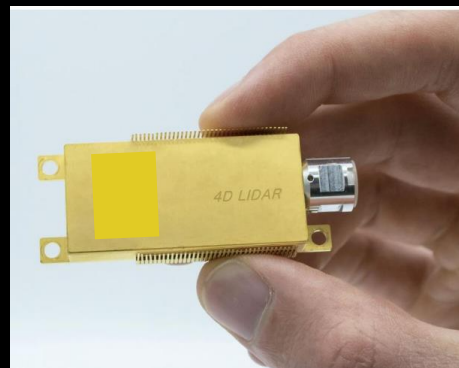
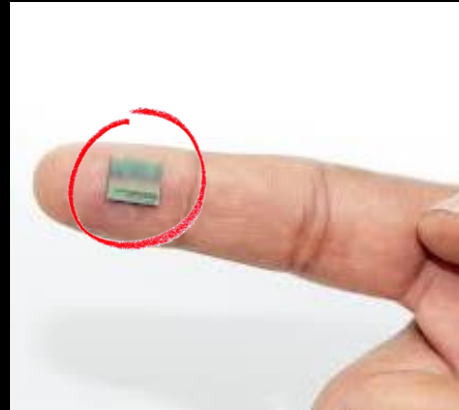
- Size & Cost
 - Performance and etc.
- High-volume manufacturing



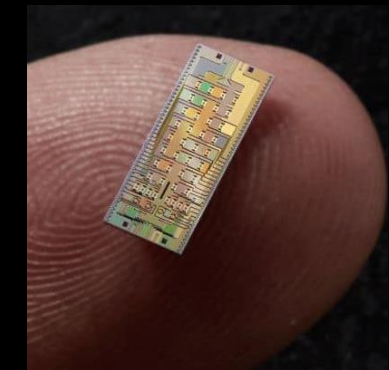
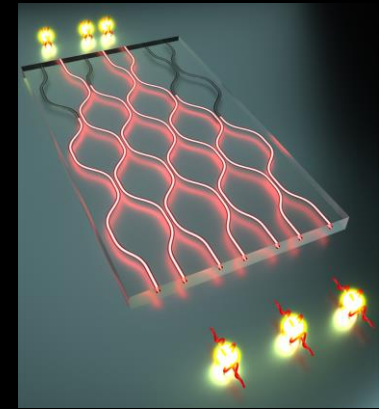
Transceivers → PIC into new Apps.



Auto. LIDAR



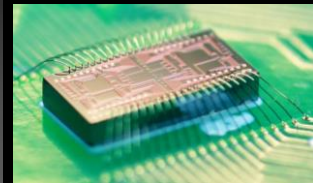
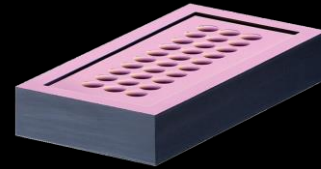
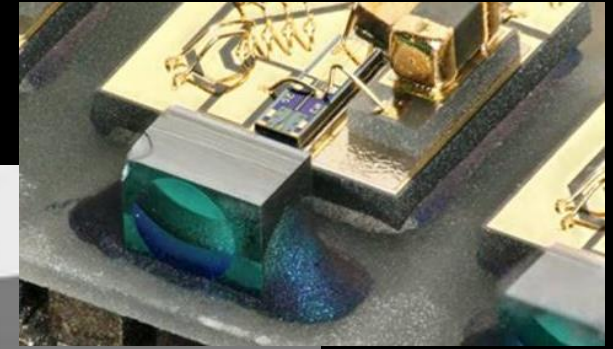
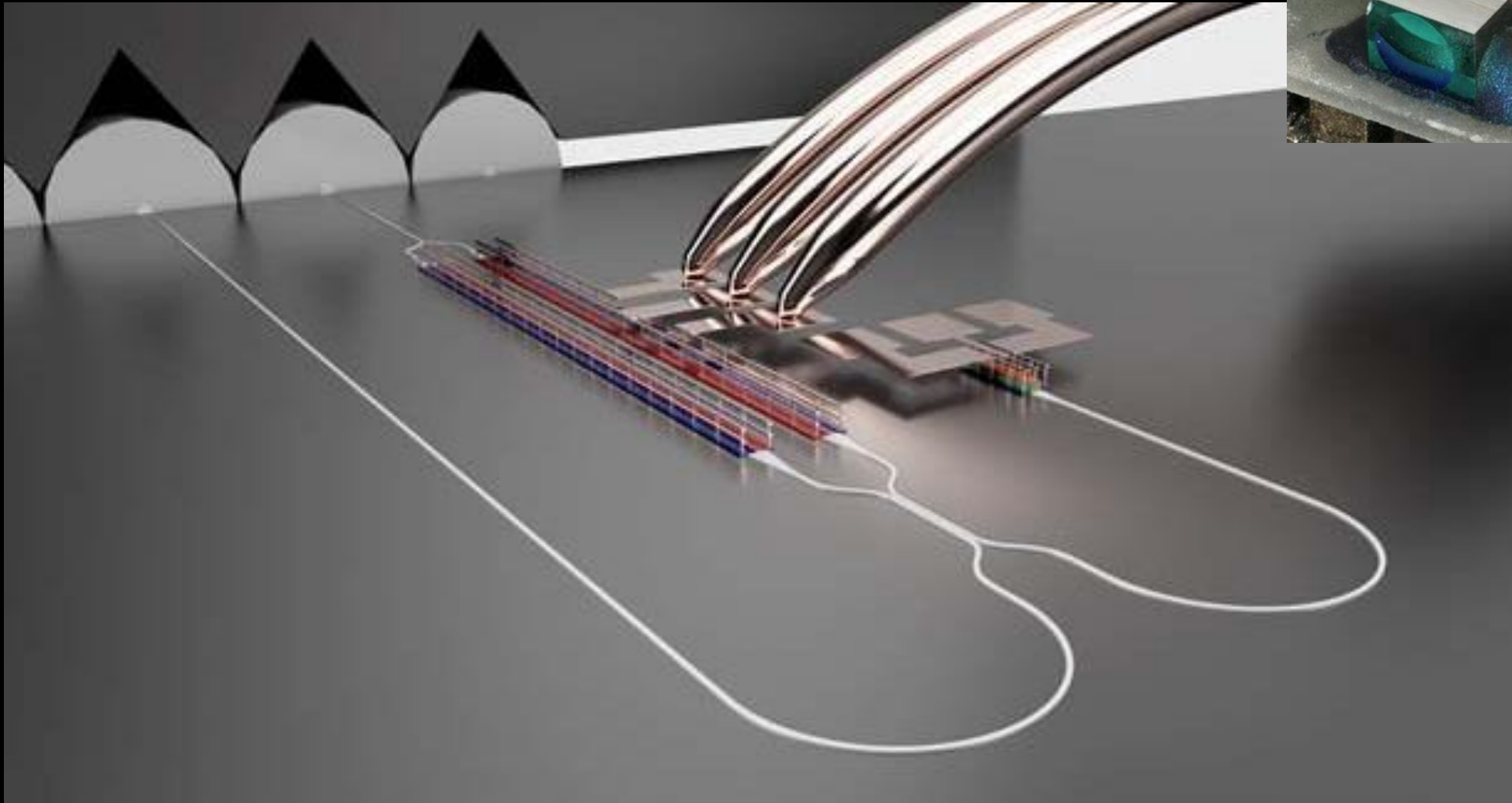
Quantum applications



 Data Center a:etris	 LIDAR	 Space	 Q Computing	 BioSensing
 Telecom a:etris	 Neurom. Computing	 AR / VR	 Atomic Clocks	 Astronomy
 Wearables	 5G a:etris	 Quantum Crypto	 THE NEXT BIG THING Next big thing	

Source: google image

Division of Labor



“An Industrial Perspective: How Microlenses Define the Path of Photonics Integration”

- Size, Cost, Performance → High-volume manufacturing

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to get there.
together.



We couple your light

Thank you