

Welcome to the Webinar



It's about what's next.®



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Addressing MEMS
Development Challenges:
STMicroelectronics presents
their Lab-in-Fab approach
to accelerate time to volume

A Webinar Hosted by
Silicon Catalyst

MEMS Development Dilemma



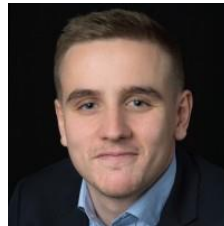
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Webinar Agenda:

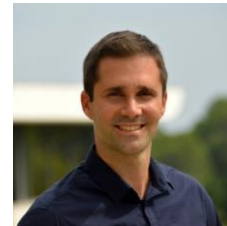
- **Webinar introduction** — Paul Pickering, Managing Partner, Silicon Catalyst
- **MEMS and Industry highlights** — Pierre Delbos, Market and Technology Analyst, Yole Group
- **ST Lab-in-Fab fabrication** — Dr. Andreja Erbes, Director, STMicroelectronics
- **Special call for applicants** — Silicon Catalyst and STMicroelectronics
- **Q&A Session**



Paul Pickering



Pierre Delbos



Dr Andreja Erbes

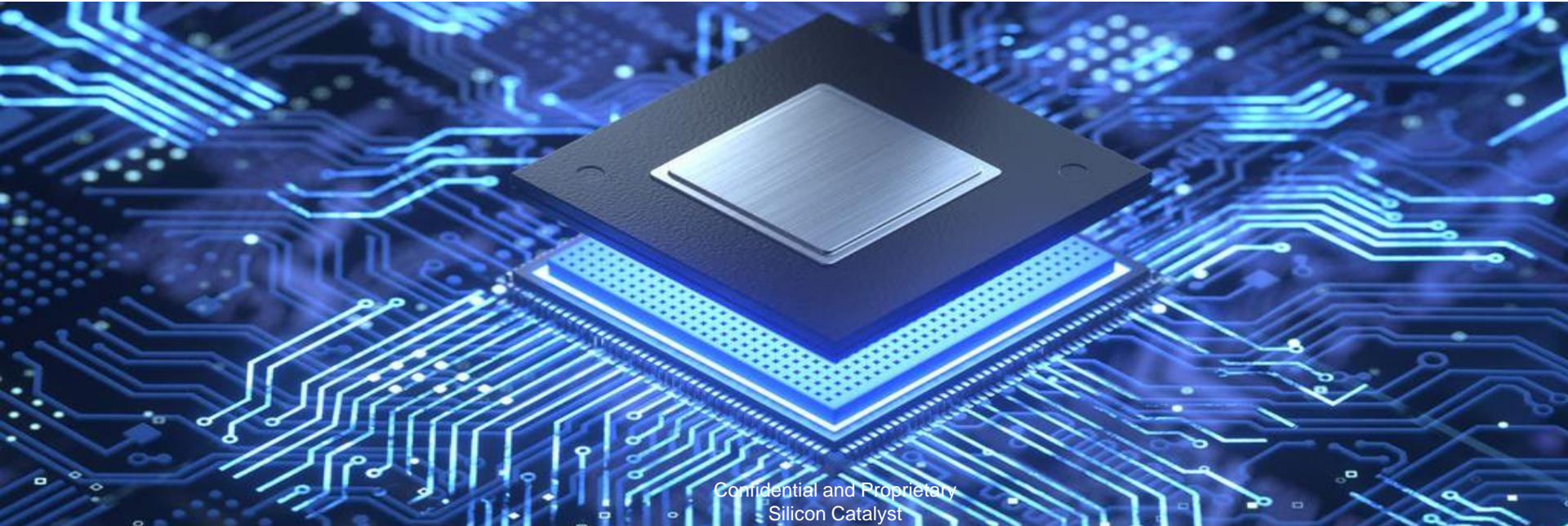


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Silicon Catalyst

Semiconductor, MEMS and Sensors
Incubation and Acceleration

April 2024



Confidential and Proprietary
Silicon Catalyst

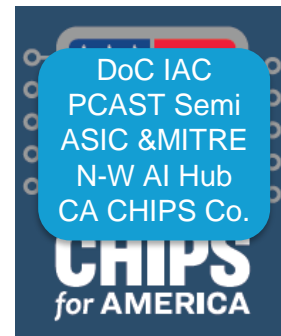
Silicon Catalyst Quick Overview



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- Established 2015 in Silicon Valley
- Portfolio of incubated companies now valued at over \$2B
- Silicon Catalyst has developed international offices
 - United Kingdom (Silicon Catalyst UK)
 - Israel
- Admitted 103 companies to the two-year incubation/acceleration program
 - *Technologies: 5G, AI, UWB, Comms infrastructure, Photonics, IoT, Power, Medical, MEMS & Sensing, Semiconductor IP*
- Silicon Catalyst support and assistance for Portfolio Companies
 - Over \$600M in Venture Capital Investments from ecosystem investors
 - Over \$150M in Goods and Services from In-Kind Partners
 - Over \$100M in Government Grants supported by Silicon Catalyst
- Silicon Catalyst Contact Information: <https://siliconcatalyst.com/>

Ecosystem Centered on Startups



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International
Israel & UK Teams
Advisors worldwide



35+ Universities

- STANFORD UNIVERSITY
- UNIVERSITY OF CALIFORNIA
- HERIOT WATT UNIVERSITY
- Berkeley UNIVERSITY OF CALIFORNIA
- MIT
- TEL AVIV UNIVERSITY

Industry Partners

- GSA
- SIA SEMICONDUCTOR INDUSTRY ASSOCIATION
- semr
- PitchBook.
- nmi Semiconductors in Education
- VENTURE UNIVERSITY

Accelerators

- octane
- PRAXIS CENTER for Venture Development
- BATCHERY
- INNOVATION SPACE
- NEXTCORPS LUMINATE
- KNX STARTUP

Good for Startups, Partners, Investors, Advisors ... the industry

Silicon Catalyst's Strategic Partners



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Sony
Semiconductor
Solutions

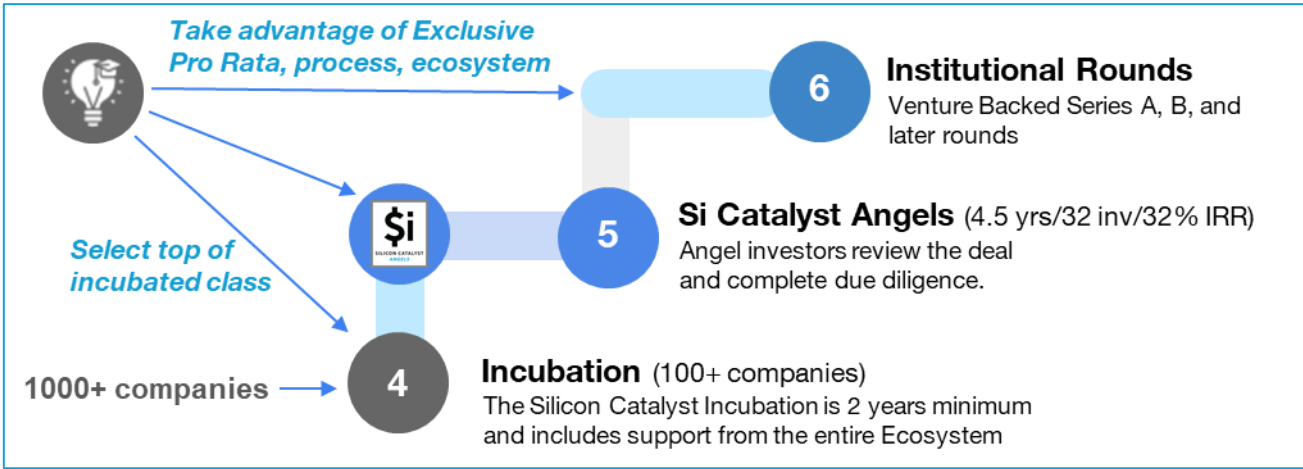


Strategic and early access to Semiconductor Innovation

Why Now?

- The Renaissance of Semiconductor Industry
 - 8 of the world's top 20 tech companies are semis
 - Semis are 3rd in profitability from 15th in 2004
- All Mega trends (AI, Cloud, 5G, IoT, Auto, ...) are hardware limited
- Govt. (e.g. CHIPS) & Industry R&D spending at all time highs

Opportunity = VC Funding for Semis has dropped from 8% in 2008 to <1% in 2023



\$10M+ (every 12-18 months)
 Plan for ~30 Investments in 24
 PS = 15, S = 10, A = 5
 GPs: Laura Swan & Kai Chen
 Min LP: \$1M
 Founded: Dr. SW Sun, Si Catalyst

Call to Action:

- **STMicroelectronics Lab-in-Fab Access Contest**
 - Is your company looking to develop a new MEMS device?
 - ST and IME are inviting companies to enter a contest to engage with the Lab-in-Fab team for a free project evaluation
 - Expense Paid* visit to meet the teams in Singapore
 - Work with world-class teams to scope out the manufacturing plan
 - Participate in various PR activities ST, IME and Silicon Catalyst
 - Receive introductions to investors and VC's

* Reimbursable expenses up to \$10K USD

CONTEST



ENTER TO WIN

**STMicroelectronics Lab-in-Fab Access
Contest**

<https://siliconcatalyst.com/st-mems-labinfab-2024-contest>

Thank You For Joining!!!



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