

Silicon Catalyst Track -Emerging Hardware Technologies and Startups



- 11:30–11:40 ***Introduction to Silicon Catalyst***
Tarun Verma, Managing Partner
<https://www.linkedin.com/in/tarunverma01/>
- 11:40 – 12:00 ***Emerging Trends in AI for Chip Design and EDA***
David Pan, UT Austin and SC Advisor
<https://www.linkedin.com/in/davidzpan/>
- 12:00–12:15 ***Ultra-Fast AI Inference at the Edge***
Frank Thiel, SC Advisor and CTO of Glgantor (<https://gigantor.com>)
<https://www.linkedin.com/in/frank-thiel/>
- 12:15 –12:30 ***New Sensing Technologies Provide Insight Inside Batteries***
Rick Seger, SVP, SigmaSense (<https://sigmasense.com>)
<https://www.linkedin.com/in/rickseger>



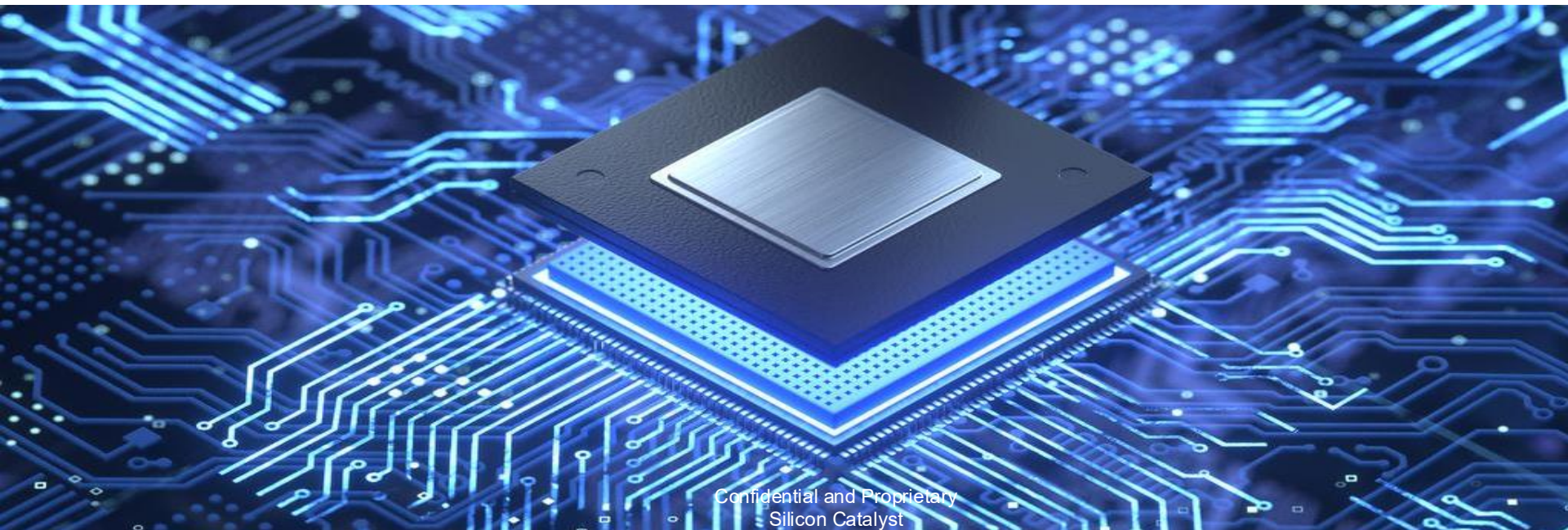
it's about what's next.®

Silicon Catalyst Overview

Headquartered in Silicon Valley ... accelerating startups worldwide

"The Gold Standard for Semiconductor Acceleration"

4th Quarter 2025



Confidential and Proprietary
Silicon Catalyst

it's about what's next.®

Silicon Catalyst is the only accelerator
focused on

the Global Semiconductor Industry

including Chips, Chiplets, Materials, IP and Silicon fabrication based
Photonics, MEMS, Sensors, Life Science and Quantum

Established 2015 in Silicon Valley

Global portfolio companies (PCs) are worth > \$3B

Screened over 1,500 early-stage semiconductor companies

Admitted over 150 Companies globally into our bespoke incubation programs

Established Silicon Catalyst Israel (2019), UK (2021) & EU (2024); >400 advisors worldwide; >500 partners

5G, AI / ML, UWB, IP, Comms infrastructure, Photonics, IoT, Power, Life Science, MEMS/Sensing, Materials, Quantum

Si Catalyst Angels (2019) & Si Catalyst Ventures (2024); PCs have raised > \$1B in VC + > \$200M in IKP + > \$200M in grants

Silicon Catalyst – accelerating startups worldwide

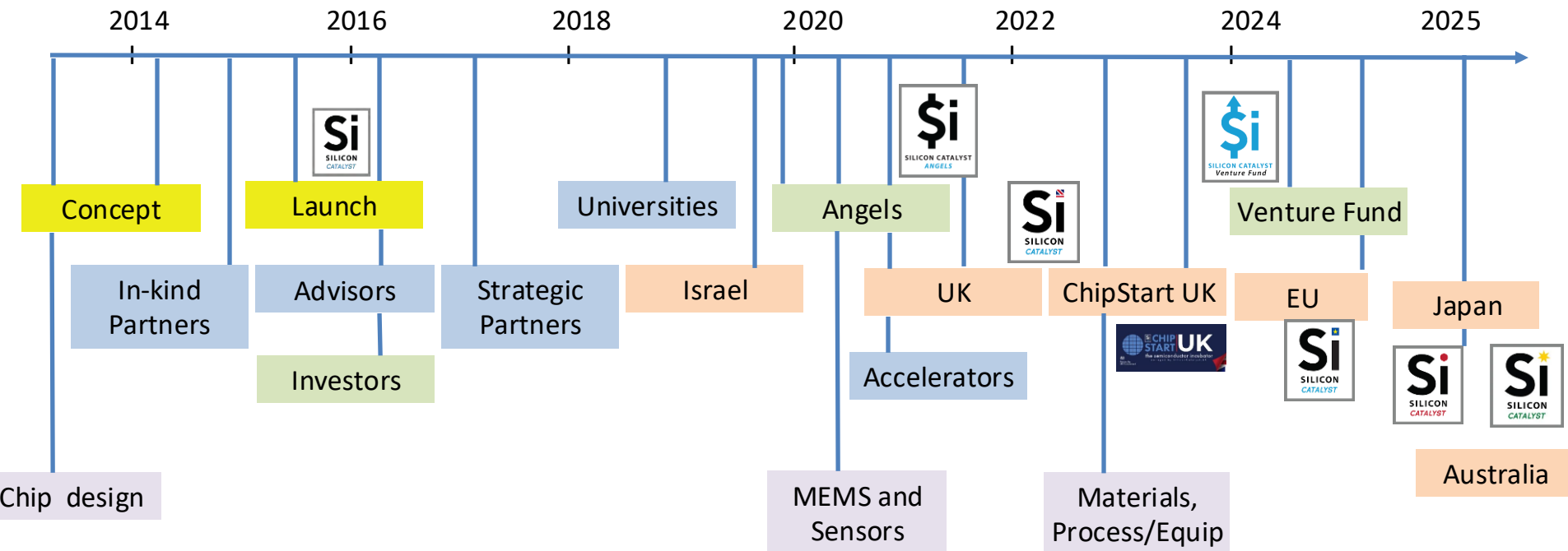


Ecosystem Centered on Startups



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

- Silicon Catalyst timeline



Silicon Catalyst's Strategic Partners



Strategic and early access to Semiconductor Innovation

EDA



IP



Services



Foundry



Back-end



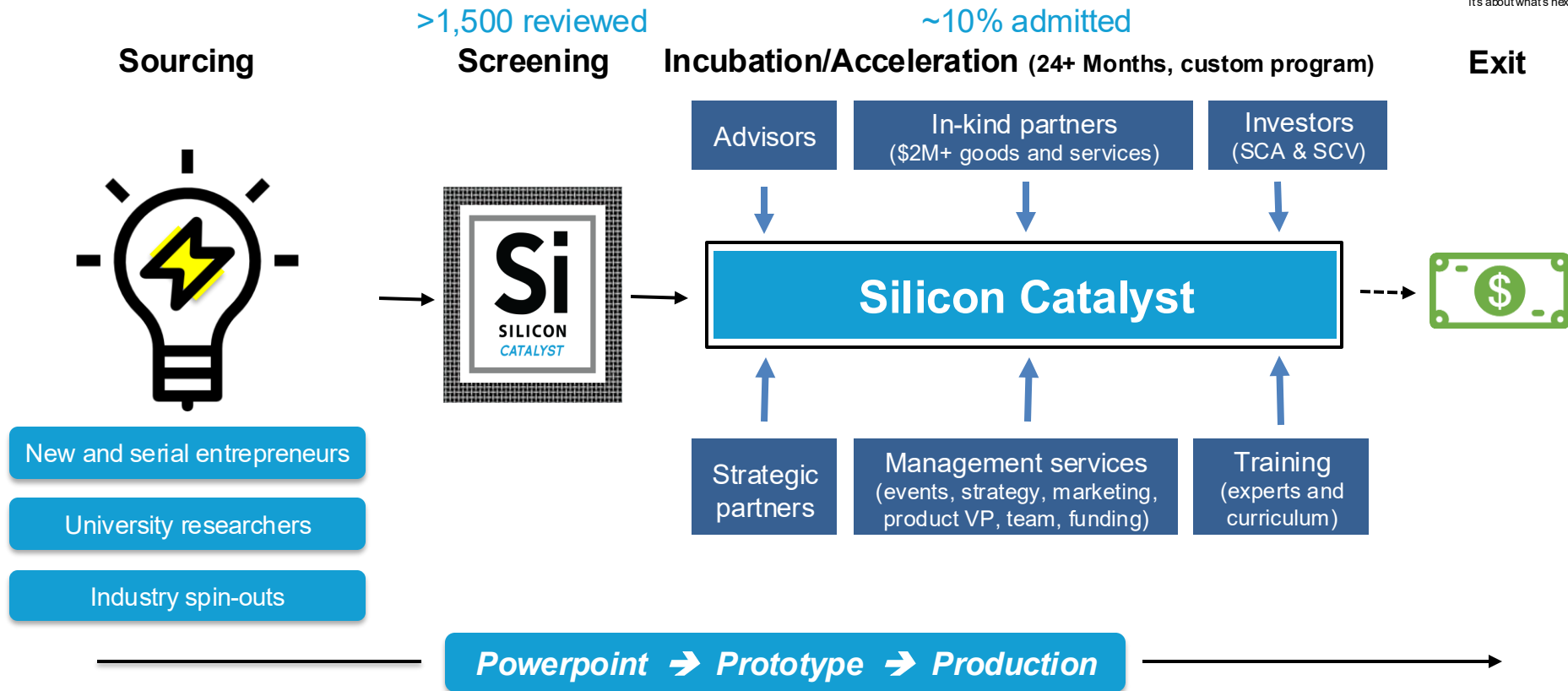
Business



In-Kind Partners

¹ Low Volume; ² High Volume Yield Improvement; ³ Israel Only; ⁴ UK Only

Driving Innovation by Accelerating Startups



Powerful Network → Great Events Worldwide



A platform for broad-topic dialog among Semiconductor industry stakeholders. Focusing on the industry's WW societal, geopolitical and ecological impact.



Nov 13, 2024



Nov 9, 2023

Dec 6, 2022
Moderator - Don Clark
NY Times Contributing Journalist

Navin Chadda
 Managing Director
 Mayfield

Maryam Rofougaran
 CEO Movandi

Walden Rhines
 CEO Cornami

Nov 9, 2023
Moderator - Dave French
CEO Sigma Sense, Board of Silicon Catalyst

Moshe Gavrielov
 Director TSMC, NXP, SIMA
 Technology, Foretellis

Deirdre Hanford
 CSO Synopsys
 Director Cirrus Logic

Ivo Bolsens
 SVP AMD



Dec. 1, 2020

Don Clark
 NY Times Contributing Journalist

Mark Edelstone
 Chmn. Global Semi
 Morgan Stanley

Janet Collyer
 UK Aerospace
 Tech Institute

John Neuffer
 CEO SIA

Walden Rhines
 2021 GSA Morris Chang
 Exemplary Leadership
 Recipient

Dec 8, 2021
Moderator - Don Clark
NY Times Contributing Journalist

Janet Collyer
 UK Aerospace
 Tech Institute

Mark Edelstone
 Chmn. Global Semi
 Morgan Stanley

John Neuffer
 CEO SIA

Walden Rhines
 2021 GSA Morris Chang
 Exemplary Leadership
 Recipient

Launched Nov. 2018 at TSMC (CA), have held 9 Forums in Silicon Valley at TSMC, SVB, Zoom (COVID) , SRI & The Computer History Museum



Silicon Catalyst Angels

Syndication
Partners



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Paul Pickering Board Director
Amos Ben Meir President & Board Director
Laura Swan VP Operations
Tom Eby Board Director



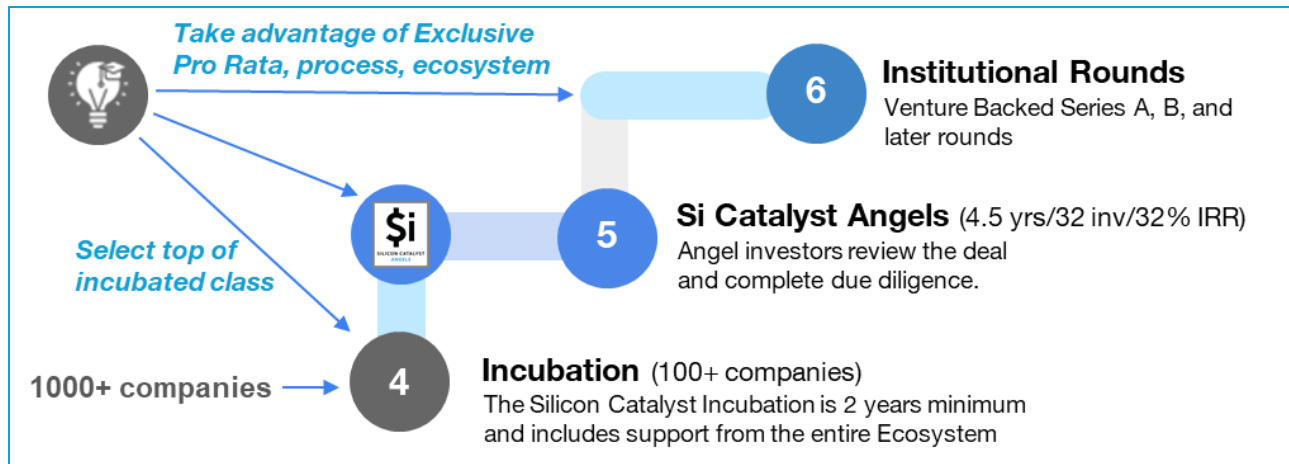
Quarterly Advisor & Angel Meetings

August 20, 2025 at Advantest Santa Clara



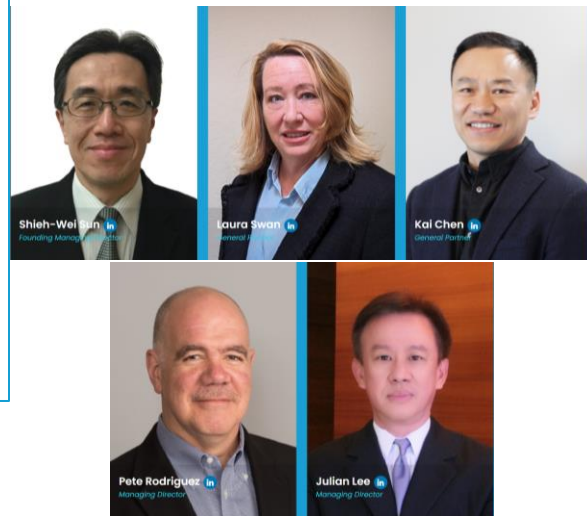
- Launched in July 2019 to provide funding in Seed and Series A rounds
 - Members are accredited investors from the Silicon Catalyst ecosystem
 - Investing primarily in companies in the Silicon Catalyst portfolio companies
 - Investments: Owl AI (8), Eridan (4), Espre, Dover (2), Mentium (7), Ayar Labs, Imprint Energy*, Oculi (2), mmTron (2), Lelantos, Phinomix (2), Lemurian Labs (3), EnCharge AI (2)*, Xcelerium, Zepsor (2), PolyN, RAAAM (3), ABR, Probius, Exokeryx (2), Neurophos, Phosio (2), HEPTLab, TeraSpatial, ...
- > 50 investments >\$15M w/ syndication!**

* Not a Si Catalyst portfolio company



Launched February 2024
>30 Investments \$\$\$

Venture Team

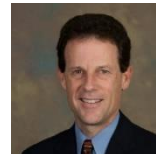


Silicon Catalyst Team

>100 startups, >\$1B in VC, >\$80B execs in public M&A



Pete Rodriguez
CEO, Director
Dir. Si Catalyst UK & EU LTD
Dir. Si Catalyst Ventures
- VP & GM NXP, CEO Exar
CMO Vrange, CEO Xpedion, Mgr. LSL



Nick Kepler
COO, Director
- VP Products Suwila
- VP DE/PM Global Foundries
- VP Process Tech AMD



Sean Redmond
President Si Catalyst EU
Chmn Si Catalyst UK LTD
- Vice Chmn UK Ectech, VP Arc,
VP EMEA Cadence, VP/GM EU
Verily



Tarun Verma
Managing Partner
- Sr Dir Allera



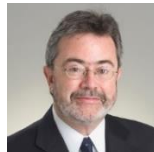
Richard Curtin
Managing Partner
- Founder & Exec Nucleos
- Sr Dir and GM NXP
- Angels by the Sea
- Exec at 11 Startups



Laura Swan
Managing Partner
VP OPS Si Catalyst Angels
GP Si Catalyst Ventures
- Investor Sand Hill Angels
- Co Founder The Satchery
- Engr. PM at sev. NW startups



Paul Pickering
Managing Partner
Dir. Si Catalyst Angels
- CRO Micralyne Inc.
- EVP Sales & Marketing Exar
- Exec at 9 startups



Raul Camposano
Managing Partner
- CTO Shaco
- CEO Sage DA (AMAT)
- CEO Nimble
- CTO, G.M. SVP Synopsys
- Prof. Paderborn, Stanford



Lance Bell
Managing Partner
- CEO LGB LLC
- CEO and Co-Founder
Nanobionovum, LLC



Atiye Bayman
Managing Partner
- CTO MaSolé
- Product Dir. GE Healthcare
- Yield Mgr Synergy
- Sr. Process Engr. AMD



Jessica Binzoni
Associate Partner
- Founder EDir HopeFuture
- Attorney & Fellow NJC
- Magna Cum Laude Notre
Dame Law School



Dennis Meister
Managing Partner
- SVP Siemens Health
- Product Dir. GE Healthcare
- VP & GM BU Accuson
- Startup CEO



Doug McBane
Managing Partner
- VP OPS Owl IA
- CEO DGM Consulting
- Sr Dir. OPS NXP
- US Navy CAPTAIN Ret.



John Harley
Managing Partner
- President Owl Biomedical
- President Micralyne
- VP MIT

Management Services

Israel

UK

Strategy/ANZ

Board



Tom Sandoval
Managing Partner
- VP Renesas/SVP Dialog
- VP Xilinx
- CEO Calypso
- VP & GM LSI Logic



Dave Dwelley
Managing Partner
- CTO Maxim Integrated
- CTO Office Linear Tech.



Danny Biran
Managing Partner
- VP Israel Innovation Authority
- SVP Mktg & Strategy Alara
- Director GSA
- CEO SilverbackSys
- Exec LSI, NSC



Moshe Zalberg
Managing Partner
- CEO Verist Solutions
- GM & VP BD Presto Eng.
- GM Israel Cadence
- VP EU Services Cadence



Russell Haggart
Managing Partner
- Exec Chmn. Vyper Core
- Founder Moltan Ventures
- Leading UK VCs
- Over 30 startups



Ross Addinal
Managing Partner
- CTO Vertizan
- CAE Synopsys
- Tech Dir EU Ciranova
- Account Mgr Cadence



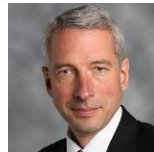
Mike Staplehurst
Managing Partner
- Sr Dir ARM
- Associate DBA
- CEO Solar Cloth
- Dir ARM



Patrick Camilleri
Managing Partner
- VP Crypt Quantum
- EPR Entrepreneur First
- VLISI Philips



James Loughheed
Managing Partner
- VP & GM Maxlinear
- SVP Exar
- Mgmt.: Cirrus, Future, EDM



Dan Armbrust
co-Founder, Director
- Chmn Salience, Exokeryx
- CEO Silicon Catalyst (emer)
- CEO Sematech
- VP Semi Ops IBM Micro



Rick Lazansky
Chairman, co-Founder



Dave French
Director



Esam Elashmawi
Director



Shih Wei Sun
Obs., Founding MP SVC

Follow up

Website - <https://siliconcatalyst.com>

Email - tarun@sicatalyst.com

Join us in driving innovation!



it's about what's next.®

it's about what's next[®]

Silicon Catalyst Ventures



Silicon Catalyst Angels



SiliconCatalyst.UK



SiliconCatalyst.EU



www.siliconcatalyst.com

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Rick Seger, SVP, SigmaSense (<https://sigmasense.com>)
<https://www.linkedin.com/in/rickseger>