



# Odin™ CPO Platform Overview

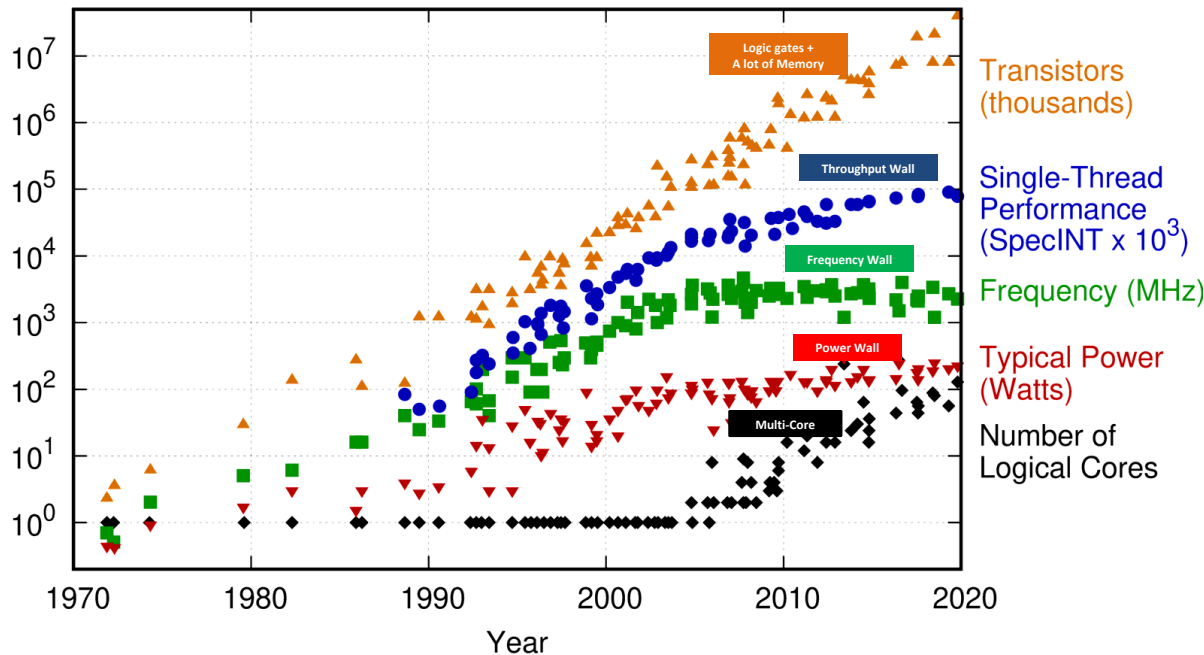
**Hojjat Salemi**  
**SVP of Business Development**

**RANOVUS™**

# How to Scale Compute & Minimize TCO?

Moore's Law Definition?  
Doubling Performance / 2 years

48 Years of Microprocessor Trend Data



Original data up to the year 2010 collected and plotted by M. Horowitz, F. Labonte, O. Shacham, K. Olukotun, L. Hammond, and C. Batten  
New plot and data collected for 2010-2019 by K. Rupp

Available Options

Process Node: 5nm, 3nm, ...

Application Specific Compute

Disaggregation

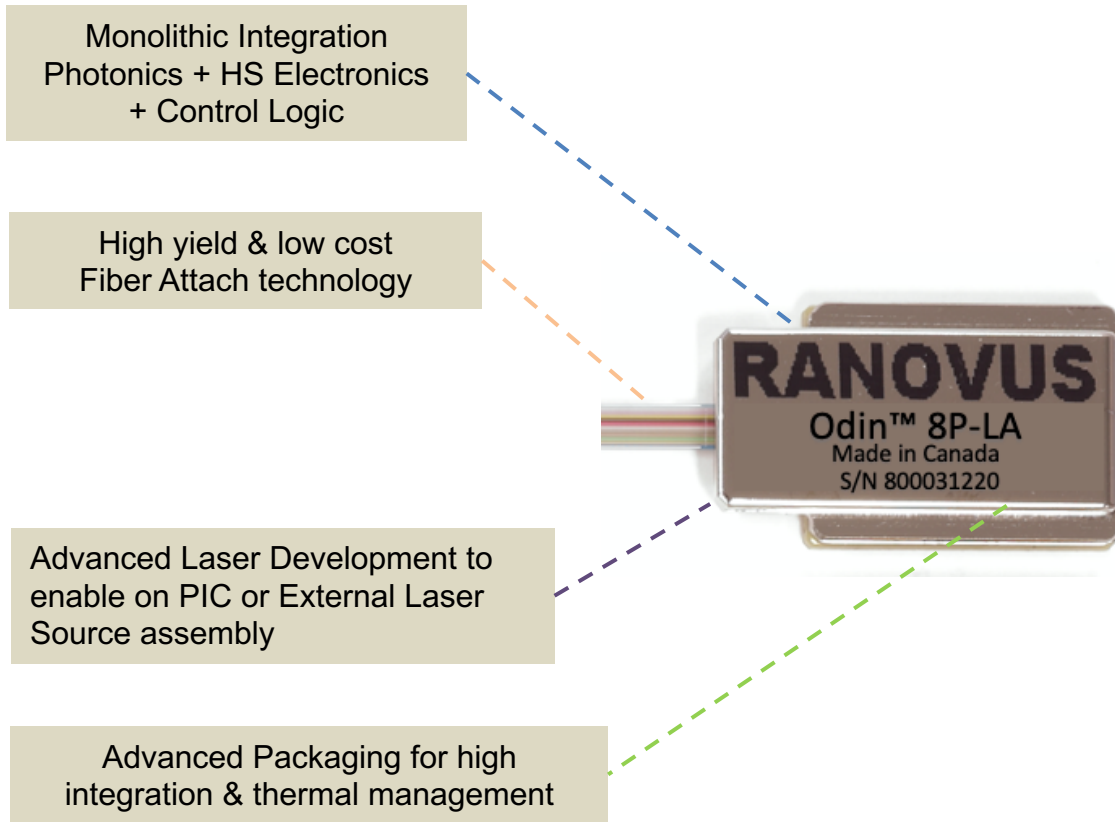
Heterogeneous Packaging

Co-Packaged Optics

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# Odin™ CPO Platform Overview

## Scalable Optical Engine



### Key Features

- Scalable Optical Engine
- Monolithic Integration
- Laser Attached or ELS
- Protocol Agnostic
- Low Latency
- Lower Power & Cost
- Tier1 Ecosystem



## OIF Launches Co-Packaging Framework Implementation Agreement Project

November 10, 2020 |

[Press Releases](#), [Press Room](#)

### Fabs:

- Taking advantage of 300mm high-volume CMOS manufacturing
- Mature PDK and CAD tool support
- Qualified IP, Fiber & laser Attach
- Flip-chip compatible

### Laser Technology

- Single wavelength and Multi-wavelength
- High efficiency high temperature operation
- Qualified Laser attached

### Connectors

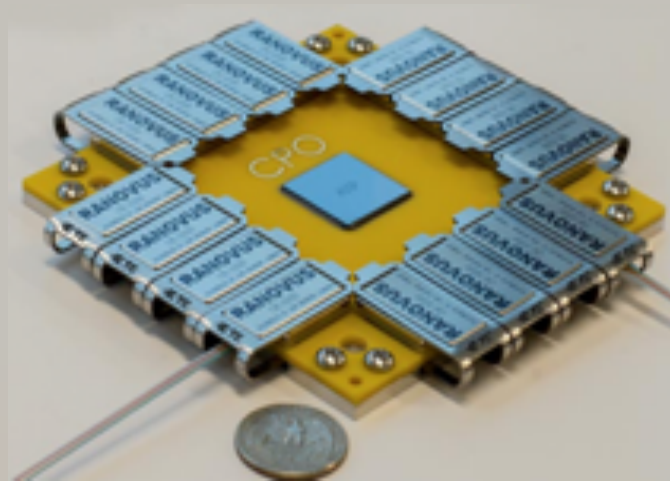
- LGA Sockets
- Optical Connectors
- Fiber Array / Ribbons

### OSATs

- Fiber & Laser Attach
- High Volume Tests with Optical & Electrical Capabilities
- High volume manufacturing of Optical Engines
- Test Equipment



# Thank You!



**RANOVUS Odin™**

*Multi Terabit platform for optical interconnect*