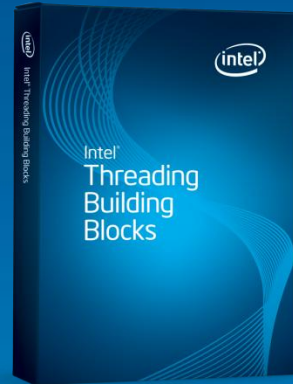# Timeline of Many-Core at Intel
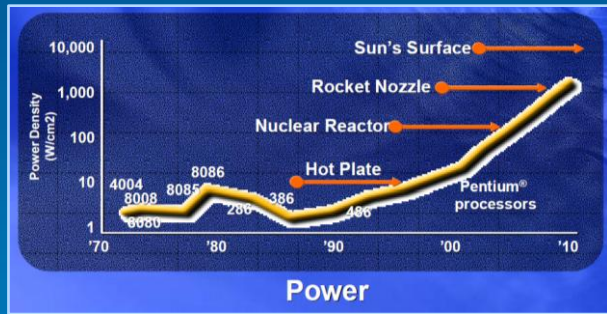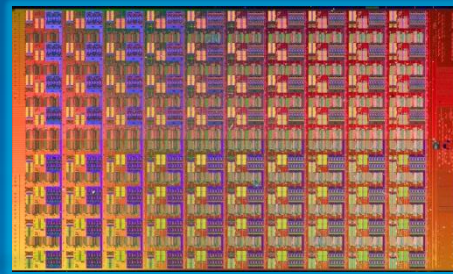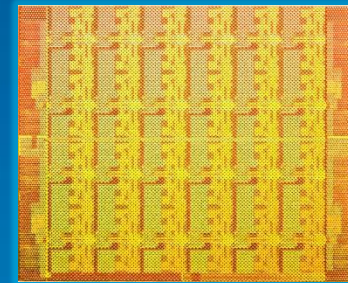

Era of Tera CTO Keynote & "The Power Wall"

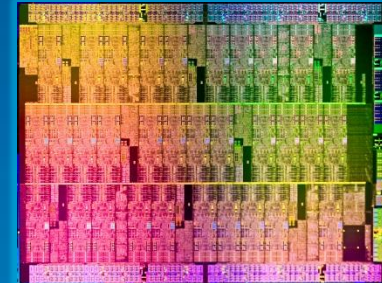Teraflops Research Processor (Polaris)

Single-chip Cloud Computer (Rock Creek)

Aubrey Isle & MIC Architecture

Today's Launch

2004	2005	2006	2007	2008	2009	2010	2011	2012

Many-core Technology Strategic Planning

Many-core R&D agenda & BU Larrabee Development

Tera-scale Computing Research Program (80+ projects)

Workloads, simulators, software & insights from Intel Labs

Universal Parallel Computing Research Centers

1 Teraflops SGEMM on Larrabee @ SC'09

Many-core Applications Research Community

Xeon Phi enters Top500 at #150. 1st Teraflop single-node DP LINPACK

Intel's Many-Core Journey

- Many-core challenge galvanized best minds from product groups & labs

Entertainment, learning and virtual travel

Financial Analytics

Personal Media Creation and Management

Health

Performance

TIPS

GIPS

MIPS

KIPS

Models

3D & Video

Multi-Media

Text

Single-core

Multi-core

Dataset Size

Kilobytes   Megabytes   Gigabytes   Terabytes