# Senior IC Design Engineer (Permanent / Full time)

Applied Materials is the leader in materials engineering solutions to produce virtually every new chip and advanced display in the world. Our expertise in modifying materials at atomic levels and on an industrial scale enables customers to transform possibilities into reality. Our innovations make possible™ the technology shaping the future. To achieve this, we employ some of the best, brightest, and most talented people in the world who work together as part of a winning team.

While virtually every nationality, culture, and background are currently represented within Applied Materials, we strive for a more robust Culture of Inclusion (COI) and diversity. Leveraging our COI vision helps drive innovation, build organizational capabilities, create equal opportunities for everyone, and achieve our company’s Definition of Winning.

In April 2020, Applied Materials acquired Think Silicon®, which specializes in developing and licensing high-performance ultra-low power graphics and AI IP technology. Think Silicon is headquartered in Greece with offices in Patras, Athens and North America.

 Since Think Silicon’s founding in 2007, it has continued to grow, and we currently have an exciting, full-time, permanent opportunity for a **Senior IC Design Engineer**.

# Location: Athens/Patras, Greece

* We offer a very generous re-location package to help you move/return to Greece.
* The candidate will benefit from the new foreign tax residence incentive, granting an income tax exemption of 50%.

# General Profile:

As a **Senior** **IC Design Engineer**, you will be recognized as an expert within the company, anticipating internal and/or external business challenges and/or regulatory issues, recommending process, product or service improvements. You will be able to solve unique and complex problems that have a broad impact on the business. The successful candidate for this role will contribute to the development of functional strategy and lead project teams to achieve milestones and objectives.

Progression to this level is typically restricted based on business requirements.

# Key Responsibilities:

As a Senior IC Design Engineer for Think Silicon, an Applied Materials Company, you will be requested to:

* Provide hardware design solutions for complex graphics and machine learning algorithms.
* Undertake the role of planning the development and verification activities for complex IP blocks using state-of-the-art methodologies.
* Collaborate with customer IC teams to reach successful integration of IP cores and tape-outs. Have deep expertise and ability to contribute to multiple technical areas of expertise and be able to lead chip design activities in at least one domain.
* Apply subject matter expertise to proactively address issues in own and adjacent design phase.
* Troubleshoot complex problems within a variety of steps in the IC design process under limited supervision. Provide guidance and consultation to others. Technical mentor for more junior members.
* Follow complex program schedules, budgets, and milestones and provide input and guidance on program deviations.
* Identify and propose solutions to complex challenges in cross-functional team environment.

# Required Skills:

•    Expert knowledge of HDL design: SoC integration, embedded CPU, bus-systems, peripherals,

co-processors, memories, clock- and power management, external interfaces, Low power design,

test and verification.  
•    Very good knowledge of ASIC design tool usage (front-end simulation and implementation)

Synopsys, Cadence, Mentor.

* Experience with SystemVerilog / VHDL.
* Experience with C and embedded software programming.
* Experience with FPGA prototyping, test and verification.
* Linux environment, shell programming, revision control systems and scripting
* Gate Level Simulations (e.g. power aware verification or DfT).
* Experience in a UVM verification environment.

# Preferred skills:

* Be a hardware engineer expert in your field.
* Ability to demonstrate in-depth and/or breadth of expertise in own discipline and broad knowledge of other disciplines within the function.
* Conceptual and Innovative thinking to solves unique and complex problems.

**Education:**Master's Degree

**Experience:** 7 + Years

## Why choose Applied Materials?

When you work at Applied Materials / Think Silicon, in addition to a competitive salary, you have access to a wide range of benefits, including:

* Financial & Savings benefits,
* Health & Wellness,
* Paid time-off,
* Insurance & Income Protections
* Medical plan,
* Meal Allowance
* Generous relocation package
* Development & Training opportunities.

## Company Facts:

* Ticker: Nasdaq: AMAT
* Fiscal 2020 Revenue: $23.1 billion
* Fiscal 2020 R&D: $2.5 billion
* Founded: November 10, 1967
* Headquarters: Santa Clara, California
* Global Presence: 93 locations in 17 countries
* Manufacturing: China, Germany, Israel, Italy, Singapore, Taiwan, United States
* Employees: ~27,200 worldwide
* Patents: ~14,300 issued