

Capabilities

Fairbanks Laboratories can design and develop a full custom integrated circuit for your specific needs in your market by providing complete system analysis leading to integrated circuit design. System analysis is supported by MatLab and other methods.

From system design, specifications for integrated circuit design can be determined. Custom integrated circuit design is accomplished through the use of EDA software from Tanner Research, Cadence Design Systems, Mentor Graphics, and Agilent, among others.

Fairbanks Laboratories is experienced in working with wafer fabrication foundries using processes from Global Foundries, Silterra, TSMC, and Tower Jazz, among others. Through these foundries a wide range of custom designs are possible down to 45 nm.

Board design is available via Mentor pads and other software.

We can verify your design by the creation of a custom test system, driven by MatLab, LabView, or Keysight software.