

ELECTRONIC SYSTEM LEVEL

BEHAVIORAL DESIGN

Architect's Workbench

MathWorks
Intel - CoFluent
Cadence - Jasper
Concurrent EDA
COSEDA Technologies (COSIDE)
Intel - Docea Power
IBM - Telelogic - iLogix
Mentor - Summit

Mirabilis
MLDesign
ProximusDA
Space Codesign
Synopsys - Cadis

Network Simulation

ArchSile
Synopsys - CoWare

ARCHITECTURAL DESIGN

ESL HARDWARE

ESL Design & Entry

Synopsys - CoWare - Atrenta
Mentor Graphics
Intel - CoFluent
Actis
Agnisys
Aldec
ARM - Duolog
Bellum
CA Technologies - Hyperformance (SES)
Cadence
Codetronix
COSEDA Technologies (COSIDE)
Easics
Expressive Systems
InterDesign Technologies
Keysight EEsof
MataiTech
Mirabilis
National Instruments
Poseidon Design Systems
Prosilog
S2C
Sankhya Technologies

High Level Synthesis (HLS)

Cadence - Forte - Chronology/Cynapps
Mentor Graphics - Calypto
Bluespec
Synopsys - Target Compiler Technologies
ACE - Compaan Design
Aldec
Algotochip
Axilica
Concurrent EDA
Impulse Accelerated Technologies
MathWorks
NEC
Space Codesign
SystemCrafter
Xilinx
Y Explorations

SoC Integration Platform

Synopsys - Atrenta
Cadence - Chip Estimate
ARM - Duolog
Magillem
Mataitech
Parallel Engines
Sapient-IC

Silicon Virtual Prototype

Chip Path
ENTASYS
Magillem
Mentor Graphics
ProximusDA
Synopsys - Atrenta
Xilinx

ESL Power Analysis

Mentor Graphics
ANSYS - Apache - Sequence
Synopsys - Atrenta
Intel - Docea Power
Entasys
Mirabilis

ESL Simulation

Cadence
Synopsys
Aldec
ARM - Carbon Design
ASTC/VLAB
Bluespec
COSEDA Technologies (COSIDE)
Imperas
MathWorks
Mentor Graphics
Mesquite Software
Xilinx

ESL Target Compiler

Agnisys
ARM - Duolog - Carbon Design
Cadence - Denali
Codasip
iNoCs
Inventure
Memoir
Mentor Graphics
Mirabilis
NISC
PDTi (Productivity Design Tools)
Semifore
Silistix
Synopsys - Atrenta
System RDL

Application Engine Compiler

BINACHIP
Cadence - Tensilica
Critical Blue
Mirabilis
Poseidon
Synopsys - CoWare - LISATek
Sankhya

ESL Thermal Analysis

Intel - Docea Power

Accelerator Library & Development Tools

Cadence - Forte - Arithmatica

ES Level RF Design

Keysight EEsof
National Instruments - AWR
ANSYS - Ansoft - Simec
COSEDA Technologies (COSIDE)

Platform IP

ARM - Sunrise Micro Devices
Imagination - MIPs
Sonics
Arteris
Cadence - Tensilica
CEVA
Synopsys

ESL SOFTWARE

Parallel Programming

ACE - Compaan Design
Cadence - Rocketick
Connective Logic
Cray
CriticalBlue
Gedae
IBM
Intel - CiLK Arts
MathWorks
MBA Sciences
NVIDIA
Oracle - Sun
ProximusDA
Sankhya
Silicon Hive
Vector Fabrics

ESL Compiler

ACE
CodePlay
Synopsys - Target Compiler Technologies

Algorithm Design & Optimization

Synopsys
Cadence - Forte
COSEDA Technologies (COSIDE)
Critical Blue
Sigmatix

Model Development Tools

ARM - Carbon Design - Axys
Mentor - SpiraTech
Agnisys
ASTC/VLAB
Bluespec
CircuitSutra
COSEDA Technologies (COSIDE)
Embedded Systems Environment
Imperas
Infiniscale
Intel
Prosilog
Synopsys - Target Compiler Technologies

Software Synthesis

Agnisys
COSEDA Technologies (COSIDE)
M2B
Mathworks
Vayavya Labs (Vlabs)
Verum

Embedded Software Development Tools

ARM - Keil
Mentor - CodeSourcery
3L, Ltd Allinea Software
American Arium
AMIQ
Argon
Asset Intertech - Arium
Axiom - SysChip
B Labs
Cadence
Cavium - Monta Vista
Codeplay Software
Critical Blue
Elbrus
ENEA
eXludas
Express Logic
First Silicon Solutions
Green Hills
Imperas
Intel - Wind River
Intelliasys
Klocwork
Lauterbach
MathWorks
National Instruments
Nohau Elektronik
Plurality
PolyCore Software
QNX Software Systems
RapidMind
RoweBits Research
SECO
Segger Micro
Stream Processors
Syntavisin
TenAsys
TotalView Tech

Software IP

ARM - Wicentric
Broadcom
Mentor Graphics
Mirabilis Design
Synopsys - Coverity

Software Virtual Prototype

Synopsys
Intel - Virtutech
Imperas
Mentor Graphics
ARM - Carbon Design
ASTC/VLAB
Cadence
COSEDA Technologies (COSIDE)
Qemu
Space Codesign
Xilinx
Virtual Devive Technologies

Other Software

Synopsys
Roadwave
Imperas

ESL VERIFICATION

Intelligent Test Bench

Mentor Graphics - Lighthouse
Agnisys
Breker
Cadence - Verisity - Inspec
COSEDA Technologies (COSIDE)
Synopsys - Springsoft - Certess
Zocalo Tech

ESL Test & Verification

Magillem
Agnisys
Avery
Cadence - Verisity - Inspec
COSEDA Technologies (COSIDE)
Diagonal Systems (DS)
ARM - Duolog - Beach Systems
IBM
JEDA Technologies
Levetate Design Systems
MataiTech
Mentor Graphics

Semifore
Source III
Structural Design Verification
Synapticad
Synopsys - Springsoft - Novas
Temento
Xilinx

Transaction-based Acceleration & Emulation

Cadence
Mentor Graphics
Synopsys- EVE
Aldec
Tarek

ESL Formal Verification

Mentor Graphics - Calypto
Cadence - Jasper
COSEDA Technologies (COSIDE)
MathWorks
OneSpin

Timing Analysis

ANSYS - Ansoft - Pacific Numerix
Cadence
CLK Design Automation
Dorado
EMA Design Automation
Incentia
INVARIAN
Library Technology
Mentor Graphics
Silvaco
SiSoft
Synopsys - NASSDA
Zuken - YDC

Signal Integrity Analysis

Synopsys
Cadence
ANSYS - Apache Design Solutions
Zuken - YDC
Quantic
OptEM Engineering
Altium (Protel) - Accel (Incases)
Fujitsu
ALS
Applied Simulation Technology
AtaiTech
CLK Design Automation
CST
Keysight EEsof
Mentor Graphics
National Instruments
OEA International
SiSoft
TDA Systems

EMI Analysis

ANSYS - Ansoft
OptEM Engineering
Applied Simulation Technology
Altium (Protel) - Accel
Cadence
Coupling Wave Solutions (CWS)
CST
E-Systems
Fujitsu
GRID
Integrand Software
Integrated Engineering Software
Integrity Engineering
iROC Technologies
Keysight EEsof
Liberty Research
Magwell
Mentor Graphics - ZeLand Software
National Instruments - Electronics Workbench
Number One Systems
Pextra
Polar Instruments
Quantic
Qwed
Simbeor
Simberian
Sonnet (KCC Ltd.)
Spectrasoft
Synopsys - Viewlogic
Ultimate Technology Bv
Vector Fields Ltd.
Zuken - YDC

Power Analysis & Optimization

ANSYS - Apache Design Solutions
Cadence - Simplex
Applied Simulation Technology
ARM - Prolific
CST
Envis (Envision Technology)
GRID
INVARIAN
Keysight EEsof
Library Technologies
Mentor Graphics
OEA International
Physware
Proficient Design
Silvaco
Synopsys - Synplicity - Iota
Veritools

Thermal Analysis

Mentor Graphics - Flowmaster
ANSYS - Apache Design Solutions
Analysis Tech
Applied Thermal Technologies
Cadence - Sigrity
Daat Research
Intel - Docea Power
Dynamic Soft
Infolytica
Integrated Engineering Software
Keysight EEsof - Gradient
Magsoft
Maya Heat Transfer
Silicon Frontline
Silvaco
ThermoAnalytics
Zuken

Structured Regular Silicon

Nangate
PDF - Fabbix
Telos

IC SPICE & SPICE Like Simulation

Synopsys
Silvaco
Mentor Graphics - BDA - Tanner EDA
ProPlus Design Solutions
Applied Simulation Technology
Accit - New Systems Research
ANSYS - Apache
Cadence
EdXact
ICscape
Infinisim
Keysight EEsof
Legend
Nascentric
OptEM Engineering
Schematica
SOIGUINE
Symica
Unique ICs
Vivid Engineering

DRC

Mentor Graphics
Synopsys
Cadence
Silvaco
CAD Science
Celesda
iDRM
Micologic (MDA)
Polyteda Software
SAGE Design Automation

Extractors

ANSYS - Ansoft
Cadence
ICscape
Mentor Graphics
OEA International
Pextra
Physware
Polar Instruments
Silicon Frontline
Silvaco
Synopsys

T-CAD

Synopsys - Magma
Silvaco
Cadence
Crosslight Software
SEQUOIA Design Systems
Siborg Systems

RET

Mentor Graphics
Synopsys - SIGMA-C
Cadence - K2 Technologies
Anchor Semiconductor
Applied Materials
ASML Masktools - Microunity
Gauda
Lafin
Luminescent
Silvaco
Stabie-Soft
Tessera
XYALIS

DFY & Process Models

Mentor Graphics
Synopsys - Magma - Knights Technology
Cadence - Praesagus
ProPlus Design Solutions
Anchor Semiconductor
ASML Masktools - Brion
DFMSim
Gold Standard Simulations
KLA -Tencor
MunEDA
Nannor Technologies
PDF Solutions
Predictions Software
Solido
Stone Piller
Stratosphere Solutions
Takimi Technologies
Tela - Blaze - Aprio Technologies

Post Silicon Validation

Asset Intertech
Cadence - Jasper
Mentor Graphics - LogicVision
Synopsys - Springsoft
Techtronics - Veridae
Vennsa

Reliability & Metal Migration

Quantic
ANSYS - Apache
Cadence - Celestry - Ultima/BTA
DFR
iROC
Micologic
ProPlus Design Solutions
Silicon Frontline
Synopsys - Epic

Asynchronous Design

Blendics
CLK - Synchronous Design Automation
Fulcrum
Tiempo
Wave Semiconductor

ASIC Layout

Synopsys
Cadence
Mentor Graphics
Atoptech
Incentia Design Systems
Lizotech
MicroMagic
Stone Pillar Technologies

Custom Layout

Cadence
Synopsys
Jedat
Mentor Graphics - Tanner EDA
Silvaco
MicroMagic
Analog Rails (Get2Spec)
ARM - Pulsic - ICthus Solutions
CAD Science
Design Workshop Technologies
IC Editors
Infiniscale
InternetCAD.com
Jspeed Design Automation
MyCAD
Orora Design Technologies
Sentinel IC
SKILLCAD
Tera Route
ViASIC

Other IC Layout

ANSYS - Apache - Sequence
Artwork Conversion
Athena
Cadence - Azuro
Cyclos Semi
Dolphin Integration
Dorado
Entasys
Flexras
ICscape
Keysight EEsof
Lafin
Library Technologies
MicroEDA
MunEDA
Pinebush Technologies
ProPlus Design Solutions
Saratoga Data
Shearwater
Silistix
Silvaco
Simbeor
Solido
Stabie-Soft
Synopsys - Magma
Teklatech
Tool Corporation
XYALIS

Physical Libraries (IP)

ARM - Artisan - NurLogic
Synopsys - Virage - Mentor
ANSYS - Apache
Aragio
Cadence - Excellent Design
Camgian Microsystems
Keysight EEsof
Mentor Graphics - Tanner EDA
NewLogic
Nordic VLSI
QualCore - LEDA Systems
Semtech
Silicon Design Solutions
SypherMedia
Tela

Target Compiler

Silvaco
MicroMagic
ARM - Artisan - VLSI Libraries
Cadence
Dolphin Integration
Fliptronics
Helic
Interra Systems
Menta
Mentor Graphics
Synopsys
Tela Innovations

Library Development Tools

Keysight EEsof
ARM - Prolific
Cadence - Altos
CLK Design Automation
Concise Logic
Fractal (Fenix spinout)
Gold Standard Simulations
GRID
Legend Design Technologies
Library Technologies
Mentor Graphics
Nangate
ngenic
ProPlus Design Solutions
Silvaco
Synopsys
Z Circuit

SYSTEM DESIGN AUTOMATION

SDA Design & Simulation

EDaptive IBM - Telelogic - iLogix
MathWorks Mentor Graphics
Mirabilis MSC Software
Agnisys

PCB

PCB Design

Mentor Graphics
Cadence
Zuken
Altium (Protel) - Neurocad - Ciiva - Octopart
ANSYS - Ansoft
Intercept - Xynetix (Harris)
Keysight EEsof - Eagleware - Elanix
Elgris Technologies
Aldec
ALS Design
Autodesk - US CAD
AutoTRAX
CAD Design Software
CADint
Cad-Migos
ConnectEDA
Douglas Electronics
EMA - Design Advance
Fujitsu
IMSI
Intercept Technology
McDAD EDA
Mental Automation
National Instruments - Electronics Workbench
Novarm Software
Number One Systems
Penzar
Polar Instruments
Precidence (Element 14 - CADSoft)
Premier EDA Solutions
Sophia Systems
Spectrum Software
Zuken - YDC
Ziegler Informatics

Schematic Capture

ALS Design
Altium (Protel) - Accel
Autodesk
Cadence
Capilano
Concept Engineering

Dolphin Integration
Elgris Technologies
Intercept Technology - ESA Design
Jedat
Mental Automation
Mentor Graphics - Tanner EDA
MyCAD
National Instruments - Electronics Workbench
Number One Systems
PCB Libraries
Phase Three Logic
Preception Software
Silvaco
Ziegler Informatics
Zuken - YDC

PCB CAM

Mentor Graphics
Frontline (Orbotech & Mentor)
Zuken - YDC
Infinite Graphics
Adiva
Altium (Protel)
ANSYS - Ansoft
Asset Intertech
BQR
CAD Design Software
Cadence
Douglas Electronics
Downstream Technologies
GraphiCode
Intercept Technology
MasterCAM
PTC - Ohio Design Automation
Step Tools
Technomatix - Unicam
T-Tech
Unisoft
Wise Software Solutions

Mutichip

ANSYS - Ansoft
Infinite Graphics
Zuken - YDC
Intercept Technology
Applied Simulation Technology - Contec
Autodesk - US CAD
CAD Design Software
Cadence - Taray
Coventor
HDL Works
Mentor Graphics - Tanner EDA

Package Design

Mentor
ANSYS - Apache
Cadence
E-System Design

PCB Spice

Cadence
National Instruments
Zuken - YDC
Mentor Graphics - Tanner EDA
Keysight EEsof
ALS Design
Altium
ANSYS - Ansoft - Compact Software
Applied Simulation Technology - Contec
Beige Bag Software
CAD-Migos
Intusoft
Penzar
Silvaco
Spectrum Software

3D IC

3D IC Simulation

Cadence
Mentor Graphics - Nimbic

3D IC Pathfinding

Synopsys - Atrenta
MicroMagic
R3Logic

3D IC Floorplanner

R3Logic
Synopsys - Magma

3D IC Analysis

ANSYS - Apache
Cadence - Sigrity
Intel - Docea Power
INVARIAN
Mentor Graphics
Synopsys

3D IC Layout

R3Logic
Cadence
Mentor Graphics

3D IC Modeling

Aldec
ANSYS
Altium
Intercept Technology

OTHER DESIGN DOMAINS

Optical Design

Synopsys - ORA - Brandenburg
CST

Wire & Harness

Zuken
Mentor Graphics
Altium
ANSYS
Cadence

Mechanical

ANSYS - SpaceClaim
Autodesk
Dassault Systemes
Mentor Graphics
MSC Software
PTC
Siemens - Unigraphics

ELECTRONIC SYSTEM LEVEL

Design Libraries

Synopsys
Keysight EEsof
ANSYS - Ansoft
Cadence
Caesium
Cast
Hanro
Intusoft
Levetate Design Systems
Library Technologies
Mentor Graphics
SynapticAD
Zuken - YDC

Silicon IP (Designware)

ARM
Synopsys

CEVA
Sibridge
Adapt-IP

Enterprise & CIS Tools

Zuken - YDC
IC Manage
Dassault - Synchronicity
PTC - Ohio Design Automation
Oridus
ClioSoft
ALS
Aprisa
Arena Solutions
Cadence - Orcad
Design and Reuse
Dorado
Hyperformance
Keysight EEsof

Mentor Graphics
Missing Link Tools
OpenIT
Partminer
Posedge
Precience
Sapient Systems Satin
SICAD
Translogic Univa
Xuropa
Zentera

Interoperability Tools

Synopsys
Cadence - Orcad - Team Corp.
Sybase
ATA Engineering
Aldec

Attune Systems
Avery
Ciosoft
DataXpress
Elgris Technologies
IBM - Rational
Interra Systems
Invionics
LSI Logic
Mentor - Tanner EDA
MethodICs
MicroEDA
NEC

Oasis Tooling Pinebush Technologies
Precience - (Element 14 - CADSoft)
Q Point Technology
Router Solutions
Saratoga Data Systems
Softtech - Workgroup Technologies

SoftJin
Source III
Tuscany
X-Tec
Zuken

EDA Middleware

Runtime Design Automation
Softjin
Spatial
Verific

RT LEVEL

Formal Verification

Cadence
Synopsys - Magma (IBM)
OneSpin
Mentor Graphics - Calypto
Prover Technology

Formal Analysis

Mentor Graphics - Axiom
Synopsys - Atrenta
Real Intent
Cadence - Verplex
Averant (HDAC)
OneSpin
Assertive Design
Avery
JEDA Technologies
NEC
Veritable

RTL Design & Entry

Synopsys
Cadence
TransEDA
Synopsys - Atrenta
Mentor Graphics - Tanner EDA
Veritools
Verific
Aldec
ANSYS - Apache - Sequence
ARM - Obsidian Software
ATA
Ausdia
Blue Pearl Software
Concept Engineering
Dolphin Integration
EMA - Chronology/Cynapps
Excellicon
Expressive Systems - (Vizef)
FishTail
Fractal
Hanro
HDL Works
Interra Systems
JEDA Technologies
Levetate
OneSpin
Real Intent
Sigasi
SoftJin
Source III
Stelar Tools
SynapticAD - ASC
Time-Rover
Translogic
VeriEZ
Willamette
Elgris Technologies

Design Debug

Aldec
ASIC Analytic
Cadence - Jasper
Concept Engineering
Mentor Graphics
NextOp
Real Intent
Severity
Synopsys - Virage - Atrenta
Vennsa
Veritools

HW/SW Co-Verification

Carbon Design
Mentor Graphics
Adveda
Keysight EEsof
Aldec
Cadence - Verisity - Axis
Dolphin Integration
Endeavor Intertech
Foresight Systems
Synopsys - CoWare
TNI-Valiosys - Arexsys

VHDL Simulation

Aldec
Adveda
ALS Design
Cadence
Dolphin Integration
Green Mountain
IK Tech
Impulse Accelerated Technologies
Mentor Graphics - Innoveda
MyCAD
Symphony EDA
Synopsys - Zycad

Rapid Prototyping

Synopsys - Synplicity - Hardi
The Dini Group
Aldec (Alatek)
Bluespec
Cadence
ChipIt
Dynamith Systems
Gidel
HAPS
HiperSilicon
HiTech Design
HOENS
Impulse
Polaris Design
Reflex
RPP
S2C

Verilog Simulation

Fintronic
Synopsys
Cadence - Verisity - Axis
Aldec
Dolphin Integration
Mentor Graphics - Innoveda
Real Intent
Silvaco
Tachyon (Pragmatic C Software)
Tau Simulation
Veripool
Winterlogic

Mixed-signal Simulation

Mentor Graphics
Cadence
ANSYS - Ansoft
Dolphin Integration
FTL Systems
Keysight EEsof
ProPlus Design Solutions
Silvaco

Logic Synthesis

Synopsys
Cadence - Forte
Mentor Graphics - Oasys
Aldec
ALS Design
Altium (Protel) - Accolade (Metamore)
ATA
Derivation Systems
FTL Systems
Incentia Design Systems
Pacific Design
SynApps
Tiberon DA
Tiempo

Verification IP

Arrow Devices
Cadence
Kozio
Mentor Graphics
Sibridge
SmartDV
Synopsys
Test and Verification Solutions
Truechip Solutions

Mixed-language Simulation

Synopsys
Cadence
Mentor Graphics
Aldec
AXIOM
Dolphin Integration
Fintronic
Tachyon (Pragmatic C Software)

Timing & Signal Integrity Analysis

ANSYS - Ansoft - Pacific Numerix
Synopsys - Atrenta
Cadence - Verplex - Verisity
CLK Design
Applied Simulation Technology - Contec
Ausdia
Averant
Avertec
FishTail
Fujitsu
Incentia Design Systems
Mentor Graphics
Real Intent

Power Analysis

Synopsys - Atrenta
ANSYS - Ansoft - Pacific Numerix
Mentor Graphics - Innoveda - Calypto
ASC
BulldAST
Library Technologies
Veritools

EMI Analysis

Applied Simulation Technology - Contec
ANSYS - Ansoft - Pacific Numerix
Cadence
Fujitsu
Lorentz Solutions
Mentor Graphics - Flomerics
National Instruments - Electronics Workbench
Premier EDA Solutions Ltd
Zuken - Incases

DFT Tools

Mentor Graphics
Synopsys - Viewlogic - Atrenta
Cadence
SynTest Technologies
Acugen
Alpine
ASC
Asset Intertech - TI
Astek
ATEEDA
Comit
DeFacTo Technologies
Dolphin - Genesys
Flynn Systems
Incentia Design Systems
Intellitech
Intusoft
iROC Technologies
Macraigor Systems
Silvaco
Teseda (Deft)
Winterlogic
Zuken

GATE LEVEL

RF Design & Simulation

Keysight EEsof
ANSYS - Ansoft - Eagleware - Elantix
National Instruments - AWR
Cadence - Neoliner
Synopsys
Silvaco
Ago
Computer Simulation Technology (CST)
Helic
Interactive Products
Mentor Graphics
OEA International
Optotek
Sonnet Software (KCC Ltd.)
Webb Labs

Gate Level / Transistor Level Design

ANSYS - Ansoft
Cadence - Chip Estimate - Giga Scale
Concept Engineering

Mentor Graphics - Tanner EDA
ProPlus Design Solutions
Silicon Frontline
Solido Design Automation
Synopsys - Sandwork Design

Gate Level Simulation

ALDEC
ALS Design
ANSYS - Ansoft
Cadence
Capilano Computing
Intusoft
Mental Automation
Mentor Graphics
National Instruments - Elect. Workbench
ProPlus Design Solutions
Silvaco
Sophia Systems
Synopsys - Springsoft - Novas
Zuken

Analog Design

Cadence - Antrim
National Instruments - AWR
ANSYS - Apache
Ago
Anadigm
AnalogRails
Anasoft Technology
Asygn
AVP
G-Analog
Infinscale
Keysight EEsof - Accelicon
Lynguent
Mentor Graphics - Tanner EDA
Mephisto Design Automation
MunEDA
Nostral
Orora Design Technologies
ProPlus Design Solutions
Silicon Frontline

Silvaco
Solido Design Automation
SynCira
Synopsys - Analog Design Automation
Zeni EDA Systems

Analog Simulation

Synopsys
Cadence
ANSYS - Ansoft
National Instruments
Zuken - YDC
ALS Design
Cybereda
Dolphin Integration
G-Analog
Intusoft
Legend Design Technology
Mentor Graphics
Number One Systems
ProPlus Design Solutions