

SYSTEM DESIGN AUTOMATION

SDA DESIGN & SIMULATION

SDA DESIGN & SIMULATION
EDActive
IBM - Telelogic - iLogix
MathWorks
Agnisys
Mentor
MSC Software
Mirabilis

ARCHITECTURAL DESIGN

ESL HARDWARE

ESL DESIGN & ENTRY

Synopsys
Mentor
CoFluent
Atrenta
Actis
Agilent
Agnisys
Aldec
Bellum
Cadence
Codetronix
Doulog
Easics
Expressive Systems
Handshake Solutions
HyPerformix (SES)
InterDesign Technologies
MataiTech
Mirabilis
National Instruments
Poseidon Design Systems
Prosilog
S2C
Sankhya Technologies

ESL SYNTHESIS

Mentor
Forte
Bluespec
Synopsys - Synfora
ACE - Compaan Design
Xilinx - AutoESL
Axilica
Cadence
ChipVision
Concurrent EDA
Impulse Accelerated Technologies
MathWorks
NEC
SystemCrafter
Xilinx
Y Explorations

SOC INTEGRATION PLATFORM

Beach
Doulog
Magellim
Mataitech

SILICON VIRTUAL PROTOTYPE

Atrenta
Cadence - Chip Estimate
Chip Path
Doulog
ENTASYS
Magillem
Mentor
ProximusDA

ESL SIMULATION

Mentor
Aldec
ARM
Bluespec
Carbon
MathWorks
Mesquite Software

ESL TARGET COMPILER

Agnisys
ARRIS
Arteris
Atrenta
Cadence - Denali
Carbon - ARM
Codasip
Doulog
iNoCs
Inventure
Mentor
Mirabilis
NISC
PDTi (Productivity Design Tools)
Semifore
Silistix
Sonics

APPLICATION ENGINE COMPILER

BINACHIP
Critical Blue
Mirabilis
Poseidon
Synopsys - CoWare - LISATek
Target Compiler Technologies
Tensilica

ESL POWER ANALYSIS

Apache - Sequence
Mentor
ChipVision
Atrenta
DOCEA
Entasys
Mirabilis

ACCELERATOR LIBRARY & DEVELOPMENT TOOLS

Forte - Arithmatica

ES LEVEL RF DESIGN

Agilent EEsof EDA
AWR
Ansys - Ansoft - Simec (Germany)

ELECTRONIC SYSTEM LEVEL

BEHAVIORAL

ARCHITECT'S WORKBENCH

MathWorks
CoFluent
Concurrent EDA
IBM - Telelogic - iLogix
Mentor - Summit
Mirabilis
MLDesign
Space Codesign
Synopsys - CoWare

NETWORK SIMULATION

ArchSite
Synopsys - CoWare

ARCHITECTURAL DESIGN

ESL SOFTWARE

PARALLEL PROGRAMMING

ACE - Compaan
Intel - CiLK Arts
Connective Logic
Cray
Gedae
IBM
Intel - RapidMind
MathWorks
MBA Sciences
NVIDIA
Oracle - Sun
Proximus
Rocketick
Sankhya
Silicon Hive
Vector Fabrics

ESL COMPILER

ACE
CodePlay

ALGORITHM DEVELOPMENT & OPTIMIZATION

Synopsys
Forte
Critical Blue
Sigmatix

MODEL DEVELOPMENT TOOLS

ARM - Axys
Carbon
Embedded Systems Environment
Infinscale
Mentor
Prosilog
Synopsys - VaST

SOFTWARE SYNTHESIS

Mathworks
Vayavya Labs (Vlabs)

MULTICORE DEVELOPMENT TOOLS

3L, Ltd
Allinea Software
American Arium
ARM - Keil
Axiom
B Labs
Cavium - Monta Vista
Codeplay Software
Critical Blue
ENEA
eXludas
Express Logic
First Silicon Solutions
Green Hills
Intel - Wind River
Intelliasys
Mathworks
Mentor - CodeSourcery
National Instruments
Nohau Elektronik
Plurality
PolyCore Software
QNX Software Systems
RapidMind
RoweBits Research
Segger Micro
Stream Processors
Synopsys - Virage -
ARC International
TotalView Tech

SOFTWARE VIRTUAL PROTOTYPE

Synopsys
Intel - Virtutech
Imperas
ARM
ASTC
Cadence
Qemu

ESL VERIFICATION

BEHAVIORAL

INTELLIGENT TESTBENCH

Mentor
Breker
Cadence - Verisity - Inspec
Springsoft - Certess
NuSym
Zocalo Tech

ESL TEST & VERIFICATION

Agnisys
Avery
Beach Systems
Cadence - Verisity - Inspec
Diagonal Systems (DS)
IBM
JEDA
Levetate Design Systems
MataiTech

ESL TEST & VERIFICATION

(continued)
Mentor
Semifore
Source III
SpringSoft - Novas Software
Structural Design Verification
Synapticad
Temento
TransEDA

ESL FORMAL VERIFICATION

Calypto
MathWorks

TRANSACTION-BASED ACCELERATION & EMULATION

Cadence
EVE
Mentor

ESL CO-VERIFICATION

Cadence
Mentor
Tarek

TIMING ANALYSIS

Mentor
Apache Design Solutions
Yokogama Digital Computer (YDC)
Altium
Ansys - Ansoft - Pacific Numerix
Cadence
CLK Design Automation
Extreme DA
Incentia
INVARIANT
Magma - SiliconCraft
Prolific
Simucad - Silvaco
SiSoft
Synopsys

SIGNAL - INTEGRITY ANALYSIS

Synopsys
Mentor
Cadence
Accelicon - Knowlent
Agilent EEsof EDA
ALS
Altium (Protel) - Accel (Incases)
Ansys - Ansoft
Apache Design Solutions
Applied Simulation
Technology - Contec
Berkeley Design Automation
CLK Design Automation
CST
Extreme DA
Fujitsu
Magma - Moscape
National Instruments
OEA International
OptEM Engineering
Physware
Quantic
Sagantec - MicroCAD
Sigrity
SiSoft
Tanner EDA
TDA Systems
Yokogama Digital Computer (YDC)
Zuken

EMI ANALYSIS

Ansys - Ansoft
Mentor
Fujitsu
Zuken
OptEM Engineering
Yokogama Digital Computer (YDC)
Accelicon - Knowlent
Agilent EEsof EDA
Altium (Protel) - Accel
Apache Design Solutions
Applied Simulation
Technology - Contec
AWR
Cadence
Coupling Wave Solutions (CWS)
CST
GRID
Integrated Engineering Software
Integrity Engineering
iROC Technologies
Magwell
National Instruments
Number One Systems
Pextra
Physware
Polar Instruments
Quantic

EMI ANALYSIS (continued)

Qwed
Sigrity
Simbeor
Simberian
Sonnet (KCC Ltd.)
Spectrasoft
Synopsys
Ultimate Technology Bv
Vector Fields Ltd.

POWER ANALYSIS & OPTIMIZATION

Apache
Cadence
Mentor
Sigrity
OEA International
Accelicon - Knowlent
Anasim
Ansys - Ansoft
Applied Simulation Terchnology -
Contec
Azuro
CST
Envis (Envision Technology)
GRID
INVARIANT
Library Technologies
Magma
Physware
Proficient Design
Prolific
Simucad - Silvaco
Synopsys
Veritools

THERMAL ANALYSIS

Mentor - Flomerics
Zuken
Analysis Tech
Ansys - Ansoft - Pacific Numerix
Apache
Applied Thermal Technologies
Berkeley Design Automation
Cadence
Daat Research
Dynamic Soft
Gradient
Integrated Engineering Software
Magsoft
Maya Heat Transfer
Sigrity
Simucad - Silvaco
Tanner EDA
ThermoAnalytics

IC SPICE & SPICE LIKE SIMULATION

Synopsys
Simucad - Silvaco
Berkeley Design Automation
Applied Simulation
Terchnology - Contec
Tanner EDA
Accit - New Systems Research
Agilent
Ansys - Ansoft
Apache Design Solutions
Cadence
Infinisim
Legend
Magma
Mentor
Nascentric
OptEM Engineering
Schematica
SOIGUINE
Unique ICs

DRC

Mentor
Synopsys
Cadence
Magma - Mojave
Simucad - Silvaco
Tanner EDA
CAD Science
Micologic (MDA)
Polyteda Software

EXTRACTORS

Synopsys
Cadence
Mentor
Ansys - Ansoft
Apache - Sequence (Frequency)
edXact
Helic
Magma - Random Logic Corp
OEA International
OptEM Engineering
Pextra
Physware
Polar Instruments
Silicon Frontline
Simucad - Silvaco
Tanner EDA

T-CAD

Synopsys - Avant! - TMA
Simucad - Silvaco
Cadence
Crosslight Software
Magma
SEQUOIA Design Systems
Siborg Systems

RET

Mentor
Synopsys
Cadence
Anchor Semiconductor
Applied Materials
ASML Masktools - Brion
Gauda
Lafin
Luminescent
Magma - Fortis
Simucad - Silvaco
Stabie-Soft
Tessera
XYALIS

DFY & PROCESS MODELS

Mentor - LogicVision - SiVerion
Synopsys
Cadence
ASML Masktools - Brion
Anchor Semiconductor
DFMSim
KLA -Tencor
Magma
MunEDA
Nannor Technologies
PDF Solutions
Predictions Software
Sagantec
Solido
SpringSoft - Novas
Stone Piller
Stratosphere Solutions
Takimi Technologies
Tela - Blaze - Aprio Technologies
Xyalis

POST SILICON VALIDATION

ASSET
Mentor - LogicVision
Veridac

METAL - MIGRATION ANALYSIS

Quantic
Ansys - Ansoft - Pacific Numerix
Cadence - Simplex
Micrologic
Synopsys - Epic

ASIC LAYOUT

Synopsys
Cadence
Magma
Mentor - Sierra Design
Automation
Atoptech
MicroMagic
Incentia Design Systems
Lizotech
Stone Pillar Technologies

CUSTOM LAYOUT

Cadence
SpringSoft - Silicon Canvas
JEDAT (Seiko BluWave)
Magma
Synopsys
Simucad - Silvaco
Tanner EDA
MicroMagic
Analog Rails (Get2Spec)
CAD Science
Ciranova
Design Workshop Technologies
IC Editors
Infiniscale
InternetCAD.com
Jspeed Design Automation
Mentor
MyCAD
Orora Design Technologies
Pulsic - ICthus Solutions
Sentinel IC
SKILLCAD
Tera Route
ViASIC

OTHER IC LAYOUT

Sagantec
Apache - Sequence
Artwork Conversion Software
Athena
Azuro
Dolphin Integration
Dorado
Entasys
Lafin
Library Technologies
Magma
MicroEDA
MunEDA
Pinebush Technologies
Saratoga Data
Shearwater
Silistix
Simbeor
Solido
Stabie-Soft
Teklatech
Tool Corporation
XYALIS

PHYSICAL LIBRARIES

ARM - Artisan
Synopsys
Accelicon
Cadence - Excellent Design
Camgian Microsystems
NewLogic
Nordic VLSI
Prolific
QualCore - LEDA Systems
Semtech
Silicon Design Solutions
Tanner EDA

TARGET COMPILER

ARM - Artisan
Synopsys - Virage - Mentor
Simucad - Silvaco
MicroMagic
Cadence
Dolphin Integration
Fliptronics
Helic
Interra Systems
Menta
Mentor
Synopsys
Target Compiler
Technologies
Tela Innovations

LIBRARY DEVELOPMENT TOOLS

Agilent EEsof EDA
Prolific
Synopsys - Virage
Cadence - Altos
CLK Design Automation
Concise Logic
Extreme DA - Xigmix
Fenix-DA
Gold Standard Simulations
GRID
Legend Design Technologies
Library Technologies
Magma
Mentor
Nangate
Sagantec
Simucad - Silvaco
Synopsys
Z Circuit

ASYNCHRONOUS DESIGN

CLK Design Automation -
Synchronous
Elastix
Fulcrum
Handshake Solutions
Silstix

STRUCTURED REGULAR SILICON

PDF - Fabbix
Telos

IC-CAD

SCHEMATIC CAPTURE

Cadence
Mentor
JEDAT (Seiko BluWave)
Yokogama Digital
Computer (YDC)
Autodesk
National Instruments -
Elect. Workbench
Zuken
ALS Design
Altium - Accel
Capilano
Concept Engineering
Dolphin Integration
Elgris Technologies
Intercept - ESA Design
Mental Automation
MyCAD
Number One Systems
Phase Three Logic
Preception Software
Simucad - Silvaco
Tanner EDA
Ziegler Informatics

PCB DESIGN

Mentor
Zuken
Cadence
Altium (Protel)
Fujitsu
Yokogama Digital
Computer (YDC)

PCB DESIGN (continued)

Intercept Technology
National Instruments
Precidence (Element 14 -
CADSoft)
Agilent - Eagleware - Elanix
AcAe Software
Aldec
ALS Design
Ansys - Ansoft
Autodesk - US CAD
AutoTRAX
CAD Design Software
CADint
Cad-Migos
ConnectEDA
Douglas Electronics
EMA - Design Advance
IMSI
McDAD EDA
Mental Automation
Novarm Software
Number One Systems
Penzar
Polar Instruments
Premier EDA Solutions
Sophia Systems
Spectrum Software
Ziegler Informatics

MCM, HYBRID

Cadence
Zuken - Redac
Ansys - Ansoft
Infinite Graphics
Yokogama Digital
Computer (YDC)
Intercept
Applied Simulation
Technology - Contec
Autodesk - US Cad
CAD Design Software
HDL Works
Mentor
Tanner EDA
Xyalis

PACKAGE DESIGN

Mentor
Apache
Cadence
E-System Design
Sigrity - Harris

PCB SPICE

Cadence - Orcad - Microsim
Mentor
National Instruments
Yokogama Digital
Computer (YDC)
Agilent - Eagleware - Elanix
ALS Design
Altium
Ansys - Ansoft -
Compact Software
Applied Simulation
Technology - Contec
Beige Bag Software
CAD-Migos
Intusoft
Penzar
Simucad - Silvaco
Spectrum Software
Tanner EDA

PCB CAM

Mentor
Infinite Graphics
Zuken - Redac
Yokogama Digital
Computer (YDC)
Adiva
Altium (Protel) -
Inovative CAD
Ansys - Ansoft

PCB CAM (continued)

Assset - Intertech
BQR
CAD Design Software
Cadence
Douglas Electronics
Downstream Technologies
Frontline Design Automation
GraphiCode
Intercept Technology
MasterCAM
Frontline (Orbotech & Mentor)
PTC - Ohio Design Automation
Step Tools
Technomatix - Unicam
T-Tech
Unisoft
Wise Software Solutions

WIRE & HARNESS

Mentor

DESIGN LIBRARIES

Synopsys
Agilent EEs of EDA
Zuken - Redac
Ansys - Ansoft - Compact Software
Cadence
Caesium
Cast
Hantro
Intusoft
Levate Design Systems
Library Technologies
Mentor
SynaptiCAD
Tanner EDA

ENTERPRISE & CIS TOOLS

Dassault
PTC - Ohio Design Automation
Hyperformance
Oridus
IC Manage
ClioSoft
Precidence
Agilent
ALS
Aprisa
Arena Solutions
Cadence - Orcad
Dassault - Synchronicity
Design and Reuse
Mentor
OpenIT
Partminer
Posedge
Satin
Translogic
Yokogama Digital Computer (YDC)
Zuken

INTEROPERABILITY TOOLS

Platform Computing
Synopsys
Cadence
Sybase
ATA Engineering
Precidence
Aldec
Attune Systems
Avery
Cliosoft
DataXpress
Electronic Tools Co.
IBM
Interra Systems
LSI Logic
Mentor
MethodICs
MicroEDA
NEC
Oasis Tooling
Pinebush Technologies
Precidence - (Element 14 - CADSoft)
Q Point Technology
Router Solutions
Saratoga Data Systems
Softtech - Workgroup Technologies
SoftJin
Source III
Tanner
Tuscany
X-Tec
Zuken

RTL FUNCTIONAL VERIFICATION

Cadence
Aldec
Avery
Blue Pearl Software
Maia
nSys
Real Intent (Validity)
SpringSoft
YogaTech
Zocalo

FORMAL VERIFICATION

Cadence
Synopsys
Jasper - Safelogic
Axiom Design Automation (@HDL)
Mentor
Calypto
Magma
OneSpin
Prover Technology

FORMAL ANALYSIS

Mentor - 0-In
Cadence - Verplex
Averant (HDAC)
Atrenta
Real Intent (Validity)
Assertive Design
Avery
Axiom Design Automation (@HDL) - IBM
IBM
Jasper
Jeda
NEC
OneSpin
Real Intent
Synopsys
Veritable

VHDL SIMULATION

ALDEC
Adveda
ALS Design
Cadence
Dolphin Integration
Green Mountain
IK Tech
Impulse Accelerated Technologies
Mentor
MyCAD
Symphony EDA
Synopsys

VERILOG SIMULATION

Fintronic
Synopsys
Cadence
ALDEC
TransEDA
Axiom Design Automation (@HDL) - IBM
Dolphin Integration
Mentor - Innoveda
Pragmatic C Software
Simucad - Silvaco
Tau Simulation
Winterlogic
Veripool

MIXED-LANGUAGE SIMULATION

Synopsys
Mentor
Cadence
ALDEC
Dolphin Integration
Fintronic

MIXED-SIGNAL SIMULATION

Mentor
Synopsys
Cadence
Agilent EEs of EDA
ALS Design
Ansys - Ansoft
Dolphin Integration
FTL Systems
Simucad - Silvaco
uSysintegral
Zuken

RTL DESIGN & ENTRY

Cadence - Denali
Mentor
TransEDA
Atrenta
Veritools
Synopsys
ALDEC
Apache - Sequence
ATA
Concept Engineering
Dolphin Integration
EMA - Forte - Chronology/Cynapps
Excellicon
Expressive Systems - Vizef
Hantro
HDL Works
Interra Systems
Javelin
Jeda
Levate
Magma
Obsidian Software
Sigasi
SoftJin
Source III
Stelar Tools
SynaptiCAD
Tanner EDA
Time-Rover
Translogic
VeriEZ
Verific
Willamette

DESIGN DEBUG

SpringSoft - Novas Software
ASIC Analytic
Atrenta
Axiom - Protometer
Real Intent
Synopsys - Synplicity
Vennsa
Veritools
NextOp
Severity1

DFT TOOLS

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

RAPID PROTOTYPE

Synopsys
Dini Group
Aldec (Alatek)
ChipIt
Dynalith Systems
Impulse
Pittsburgh Simulation
S2C

TIMING & SIGNAL-INTEGRITY DESIGN

Synopsys
Ansys - Ansoft - Pacific Numerix
Atrenta
Cadence
Extreme DA
CLK Design Automation
Fujitsu
Applied Simulation Technology - Contec
Averant
Avertec
Incentia Design Systems
Magma
Mentor
Real Intent (Validity)

POWER DESIGN

Synopsys
Atrenta
Apache - Sequence
Ansys - Ansoft - Pacific Numerix
ASC
BullDAST
Calypto
Library Technologies
Mentor
TNI - Valiosys - TransEDA
Veritools

EMI DESIGN

Ansys - Ansoft - Pacific Numerix
Applied Simulation Technology - Contec
Fujitsu
Lorentz Solutions
Mentor - Flowmerics
National Instruments - Electronics Workbench
Premier EDA Solutions Ltd
Zuken - Incases

HW/SW CO-VERIFICATION

Carbon Design
Mentor
Adveda
Agilent EEs of EDA
Aldec
Cadence
Dolphin Integration
Endeavor Intertech
Foresight Systems
Synopsys - CoWare
TNI-Valiosys - Arexsys

ACCELERATION & EMULATION

Hardware
Cadence
Mentor
EVE
Gidel
GateRocket
Star Bridge Systems
Software
Auspy
Mentor - SpeedGate
Synopsys - Synplicity

LOGIC SYNTHESIS

Synopsys
Magma - Aplus Design Technology (ADT)
Mentor - Exemplar
Cadence
Aldec
ALS Design
Altium (Protel) - Accolade (Metamore)
ATA
Derivation Systems
FTL Systems
Incentia Design Systems
Oasys
Pacific Design
SynApps
Tiempo
Verific/Softjin

RT LEVEL

RF DESIGN & SIMULATION

Agilent EEs of EDA
AWR
Ansys - Ansoft - Compact Software
Cadence
Synopsys
Accelicon - Knowlent
AWR
Berkeley Design
Computer Simulation Technology (CST)
Helic
Interactive Products
Mentor - ZeLand Software
OEA International
Optotek
Simucad - Silvaco
Sonnet Software (KCC Ltd.)
Webb Labs

GATE LEVEL / TRANSISTOR LEVEL DESIGN

Ansift
Cadence - Chip Estimate - Giga Scale
Concept Engineering
Silicon Frontline
Solido Design Automation
Synopsys - Sandwork Design
Tanner

ANALOG DESIGN

Cadence - Antrim
AWR
Accelicon
Anadigm
AnalogRails
Anasift Technology
Asygn
AVP
Berkeley Design
Infiniscale
Lynguent
Magma - Sabio
Mephisto Design Automation
MunEDA
Nostral
Orora Design Technologies
Silicon Frontline
Simucad - Silvaco
Solido Design Automation
SynCira
Synopsys
Tanner
Zeni EDA Systems

GATE LEVEL SIMULATION

Zuken - Redac
ALDEC
ALS Design
Ansys - Ansoft
Cadence
Capilano Computing
Intusoft
Mental Automation
Mentor
National Instruments - Elect Workbench
Simucad - Silvaco
Sophia Systems
SpringSoft - Novas Software
Tanner EDA

ANALOG SIMULATION

Synopsys
Cadence
Ansys - Ansoft
National Instruments
Intusoft
Yokogama Digital Computer (YDC)
Zuken
ALS Design
Cybereda
Dolphin Integration
Legend Design Technology
Mentor
Number One Systems
Tanner EDA

GATE LEVEL