

THE HIGHER EDUCATION PROGRAM

2012 *Educating Tomorrow's Technology Leaders Today*

Mentor
Graphics®



**Copyright © Mentor Graphics Corporation 2005-2012
All rights reserved.**

This document contains information that is proprietary to Mentor Graphics Corporation. The original recipient of this document may duplicate this document in whole or in part for internal business purposes only, provided that this entire notice appears in all copies. In duplicating any part of this document, the recipient agrees to make every reasonable effort to prevent the unauthorized use & distribution of the proprietary information.

This document is for information and instruction purposes. Mentor Graphics reserves the right to make changes in specifications and other information contained in this publication without prior notice, and the reader should, in all cases, consult Mentor Graphics to determine whether any changes have been made.

The terms and conditions governing the sale and licensing of Mentor Graphics products are set forth in written agreements between Mentor Graphics and its customers. No representation or other affirmation of fact contained in this publication shall be deemed to be a warranty or give rise to any liability of Mentor Graphics whatsoever.

MENTOR GRAPHICS MAKES NO WARRANTY OF ANY KIND WITH REGARD TO THIS MATERIAL INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE.

MENTOR GRAPHICS SHALL NOT BE LIABLE FOR ANY INCIDENTAL, INDIRECT, SPECIAL, OR CONSEQUENTIAL DAMAGES WHATSOEVER (INCLUDING BUT NOT LIMITED TO LOST PROFITS) ARISING OUT OF OR RELATED TO THIS PUBLICATION OR THE INFORMATION CONTAINED IN IT, EVEN IF MENTOR GRAPHICS CORPORATION HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

RESTRICTED RIGHTS LEGEND 03/97

U.S. Government Restricted Rights. The SOFTWARE and documentation have been developed entirely at private expense and are commercial computer software provided with restricted rights. Use, duplication or disclosure by the U.S. Government or a U.S. Government subcontractor is subject to the restrictions set forth in the license agreement provided with the software pursuant to DFARS 227.7202-3(a) or as set forth in subparagraph (c) (1) and (2) of the Commercial Computer Software – Restricted Rights clause at FAR 52.227-19, as applicable.

Contractor/manufacturer is:

Mentor Graphics Corporation
8005 S.W. Boeckman Road, Wilsonville, Oregon 97070-7777.
Telephone: 503.685.7000
Toll-Free Telephone: 800.592.2210

Website: <http://www.mentor.com/supportnet>

Contact Your Technical Writer: http://www.mentor.com/supportnet/documentation/reply_form.cfm

TRADEMARKS: The trademarks, logos and service marks (“Marks”) used herein are the property of Mentor Graphics Corporation or other third parties. No one is permitted to use these Marks without the prior written consent of Mentor Graphics or the respective third-party owner. The use herein of a third party Mark is not an attempt to indicate Mentor Graphics as a source of a product, but is intended to indicate a product from, or associated with, a particular third party. A current list of Mentor Graphics’ trademarks may be viewed at: http://www.mentor.com/terms_conditions/trademarks.cfm.



INTRODUCTION

Welcome to Mentor Graphics' Higher Education Program (HEP).

Mentor Graphics, a technology leader in electronic design automation (EDA) with the broadest industry portfolio of best-in-class products, founded the Higher Education Program (HEP) in 1985 to further the development of skilled engineers within the electronics industry. HEP provides schools around the globe with leading edge design tools for classroom instruction and academic research to help ensure that engineering graduates enter industry proficient in state-of-the-art tools and techniques. To date, Mentor Graphics is proud to have partnered with more than 1200 academic institutions worldwide.

In this brochure you will find details on the Mentor Graphics products available through HEP. We organize our products into a series of design packages from which you will choose based on your EDA needs. Upon admittance to the program, you will receive licenses and media for all products in the package(s) that you choose. This ensures that you receive the maximum benefit for each package's support charge and that you receive your desired products and all optional components immediately, without the need to request changes to your configuration mid-term.

For our existing members, please make sure that you check Renewing Members Only Section; each year strategic decisions are made that may necessitate adding and/or removing products from the program. To apply for or renew your annual HEP membership, please visit www.mentor.com/company/higher_ed/.

Thank you once again for your continued support. We hope you have a productive year as a member of Mentor Graphics Higher Education Program!

Sincerely,

Ian Burgess
HEP Development Director
Mentor Graphics

TABLE OF CONTENTS

3	HEP Product Packages
4	IC Nanometer Design
6	Design, Verification & Test
8	PCB Tools/PCB PADS
9	PCB Expedition
10	Automotive Tools & System Modeling
11	Cabling & Harness
12	Vehicle Networking
13	Mechanical Analysis
18	Renewing Members Only
16	Support & Training
17	Contact HEP



DESIGN PACKAGES

For 2012, Mentor Graphics products available through HEP are divided into eight (8) design packages. Table 1 shows these packages and their corresponding support prices. When you order your HEP software you will select by package, and you will receive licenses and media for all products included in that package. (Support Fees are irrespective of the number of licenses you require.)

DESCRIPTION	MAIN PRODUCT COMPONENTS	US SUPPORT PRICE
IC Nanometer Design	ADiT™, Eldo®, Questa™ ADMS, Pyxis™, Calibre®, IE3D	\$500
Design, Verification & Test	Vista™, ReqTracer™, Questa (including ModelSim®), Precision Synthesis, Leonardo Spectrum™ ASIC, Tessent™ Silicon Test, Questa Codelink, SystemVision™, Bridgepoint®	\$500
PCB Expedition®	Expedition Pinnacle™ Layout,, I/O Designer™ FPGA Integration, Fablink™ XE Pro, HyperLynx®, Quiet™ Expert , Eldo, DxDesigner®, IE3D	\$500
PCB PADS®	DxDesigner, PADS Logic, PADS Layout, PADS Autorouter, HyperLynx®	\$500
Cabling & Harness	Capital® Design, Views, Analysis and Harness; Vesys®; SystemVision	\$500
Mechanical Analysis	FloTHERM™, FloTHERM PCB, FloTHERM PACK FloVENT™, FloEFD™, FloEFD Electronic Cooling & Adv CFD	\$500
PCB Board Station	This package is only available as a renewal.	
Embedded SW Development	This package is only available as a renewal.	

**For international pricing and product options, please contact your regional [HEP representative](#).



IC NANOMETER DESIGN

The IC Nanometer Design package provides a complete environment for the design, capture, layout and verification of analog, digital and mixed-signal integrated circuits. This package includes all products that incorporate the IC Nanometer Design platform:

The **Pyxis** suite of IC design tools

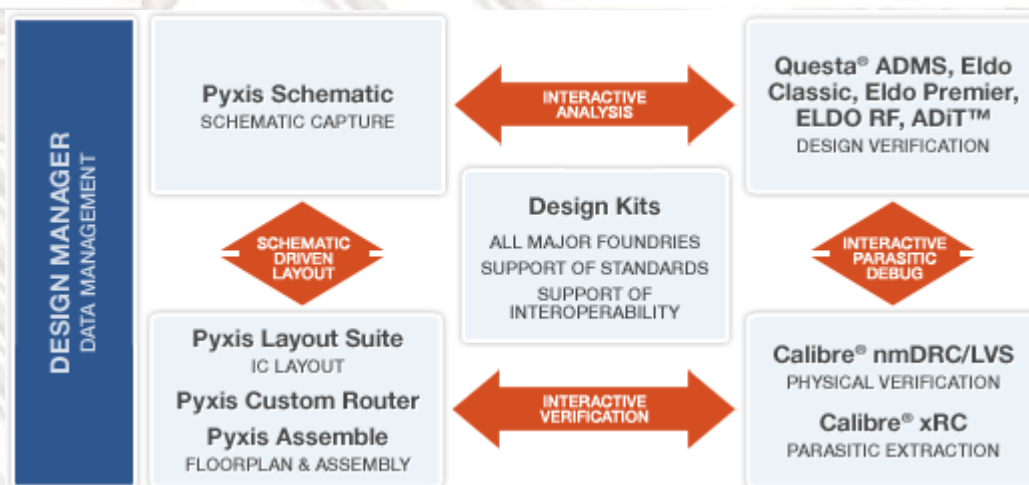
- Schematic capture, netlisting, simulation setup and results viewing.
- Physical layout
- Editing, schematic-driven layout, and top-level floorplanning and routing.

The **Questa ADMS** analog and mixed signal verification suite

- Questa ADMS and Questa AMDS RF - A language-neutral, mixed-signal simulator that enables top-down design and bottom-up verification of multi-million gate analog/mixed-signal SoC designs.
- Eldo and Eldo RF - An analog simulator offering numerous simulation and modeling options that deliver high-performance and high-speed simulation with the accuracy required by the user.
- ADiT™ - A fast-SPIICE simulator built specifically for analog and mixed-signal applications.

The **Calibre** product line for physical verification and design for manufacturability of deep sub micron integrated circuits

- Calibre - The industry standard platform for physical verification, offering superior performance and capacity for both flat and hierarchical algorithms.
- Calibre xRC - Accurate transistor-level, gate-level and hierarchical parasitic extraction.





DESIGN VERIFICATION & TEST

HEP's Design, Verification and Test package provides complete solutions for HDL design, verification, synthesis and test of ASICs and FPGAs:

- Questa Advanced Functional Verification Platform – Completely standards based, Questa is the most advanced functional verification product in the industry, supporting assertion based verification, coverage driven verification, testbench automation and formal analysis of clock domain crossing, supported by a comprehensive suite of Verification IP.
- FPGA Design and Verification – A complete solution comprising HDL design, simulation, hardware/software co-verification and leading FPGA logic and physical synthesis.
- C Based Design and Verification – A comprehensive suite of tools for design creation and analysis using C and System C.
- Tessent Silicon Test – A complete technology-leading solution for testability analysis, scan, boundary scan and memory test synthesis, and automatic test pattern generation.
- Hardware-Software Co-Verification – The industry's leading solution for verification of hardware and software.
- System Modeling – A complete environment for creation and verification of mixed-signal and Multilanguage systems, prevalent in automotive electrical systems, control systems and mechatronic systems.



DESIGN VERIFICATION & TEST TOOLS

Design Entry & Synthesis		Platform	Silicon Test		Platform
207964	HDL Designer Ap SW		242156	Tessent MemoryBIST Ap SW	
242631	Visual IP-XACT Ap SW		242160	Tessent BoundaryScan Ap SW	
211639	Precision RTL Synthesis Ap SW		242174	Tessent SoCScan Ap SW	
233858	Precision RTL Plus Ap SW	LINUX	43879	Tessent FastScan Ap SW	LINUX
204437	Spectrum Lev 3 ASIC-VHDL Ap SW	SUN	202287	Tessent FastScan MacroTest Op SW	SUN
204436	Spectrum Lev 3 ASIC-VLOG Ap SW	WIN	211099	Tessent TestKompres Ap SW	
204435	Leonardo Insight Op SW		225549	Tessent Diagnosis Ap SW	
204434	Leo Spectrum Lev 3-ASIC Op SW				
204439	XLIB Creator Ap SW	WIN	System Level Engineering		
			230522	BridgePoint UML Suite Ap SW	
			235832	BridgePoint MC Exec C Op SW	WIN
			238218	SystemVision 650 Bnd SW	
High-Level Deign					
236144	Vista Architect Stn SW				
232656	Visual SLD Pro Stn SW-MD				
239154	Visual SLD Pro LNL Plus Stn SW	LINUX			
239732	Vista HCE Op SW	SUN			
235983	ReqTracer Ap SW	WIN			
237476	Certe TB for HDL Des Op SW				
237015	Certe Testbench Studio Bnd SW				
Functional Verification					
248475	Questa Ultra Bnd SW (includes ModelSim SE functionality)				
241222	Questa Codelink Runtime Ap SW				
241221	Questa Codelink Debugger Op SW				
243168	Questa CDC Ap SW				
222972	Questa CDC-FX Op SW	LINUX			
243169	Questa Formal Ap SW	SUN			
235831	Questa Verification IP Library Ap SW	WIN			
241818	Questa Codelink Turbo Ap SW				
212985	Seamless FPGA-Xilinx Ap SW				
228131	Freescale Family Op SW				
204610	FormalPro V8 Ap SW				
54769	Schematic Generator V8 Ap SW				



PCB AND SYSTEM DESIGN

Mentor Graphics is the market leader in PCB design, implementation & analysis. Our integrated solutions support a complete flow for design definition with schematics & HDL, FPGA integration for reduced design cycles, an integrated layout & routing environment & powerful signal integrity analysis tools. For HEP's new members, Mentor Graphics has two product offerings in the area of printed circuit board design.

These are Expedition– the most powerful solution targeted at the mid-sized to large organization or for the systems design group with pervasive use of leading edge PCB or high speed technologies and PADS– a complete PCB design solution combining schematic definition with powerful layout & simulation tools.

Included in each of these product lines is HyperLynx, Mentor's powerful signal and power integrity analysis suite. The HyperLynx suite of tools can be used in virtually any design flow to help eliminate signal integrity, crosstalk, & EMC problems early, allowing you to “get it right the first time.” These simulation tools come ready to use with unprecedented ease of use, delivering high-speed analysis to every engineer's desktop.

For PCB products that may be available to renewing HEP members, please visit the supplemental brochure.

PCB PADS

PADS is a complete PCB design solution combining schematic definition with powerful layout & simulation tools.

It provides an integrated design environment combining ease of use with functional depth. With PADS PCB design solutions, you will:

- Achieve a high ROI on PCB designs ranging from basic to complex.
- Improve productivity with shorter design cycles.
- Maintain design integrity with the latest analysis and simulation tools.

PCB PADS TOOLS

PCB Design		Platform		Platform
240146	DxDesigner 040 Ap SW		221154	Eldo for HyperLynx Analog Op SW
237180	PADS Layout 575 Kit Ap SW		225414	HyperLynx Analog Op SW
234536	DxDesigner 076 Bnd SW	WIN	233857	HyperLynx Thermal Ap SW
234351	PADS IO Designer Ap SW		236251	EZwave for HyperLynx Ap SW
234352	PADS IOD PCB View Op SW		239985	HyperLynx SI GHz Bnd SW
234353	PADS IOD PCB Opt Op SW		243481	LPW. Mentor PADS Ap SW



PCB EXPEDITION

The Expedition Series flow is tailored for the mid to large-sized organization or the systems design group with pervasive use of leading edge PCB or high speed technologies. This tightly integrated solution composes the industry's most advanced design and analysis functionality in an environment of constraint, library and design data management.

- Most advanced place and route technology for high design productivity, fast time-to-market and performance optimized products.
- High-speed pre and post-layout analysis for classical MHz routes and multi-gigabit serial interconnects.
- Design capability for leading PCB technologies such as HDI/microvia, embedded components, flex and rigid-flex and high pin-count/performance IC packages.
- Tight integration with FPGA design solutions for reduced design cycle time and optimized system performance.
- Common constraint editing and management system feeds all tools in the flow for one-time, easy-to-use entry.
- Patented concurrent team design technology reduces layout design time by 40-70%.

The PCB Expedition package includes:

- Design Capture & System Design - DxDesigner Products
- Board Level Simulation – HyperLynx
- PCB Layout – Expedition Pinnacle, Team PCB • FPGA Integration – I/O Designer
- Manufacturing – CAM Output Manager, Fablink XE Pro • Thermal Simulation – HyperLynx
- Signal Integrity Analysis – HyperLynx GHz, Quiet Expert

PCB EXPEDITION TOOLS

System Design		Platform	Physical Design Products		Platform
221965	Variant Mgr Bnd SW		206143	Advanced Interconnect Op SW	
220524	EDIF 200 Graphics I/F Op SW		212132	Exp Design Reuse Op SW	
225311	Electrical CES Ap SW		234108	ATP RF Design Op SW	
219171	I/O Designer Ap SW		206079	Expedition PCB Browser Ap SW	
238784	DxDesigner ExpPCB Bnd SW		222402	Expedition PCB Pinnacle Ap SW	
206071	Library Manager Ap SW	LINUX	220633	Fablink XE Pro Ap SW	
206072	Parts Manager Admin Ap SW	WIN	215981	OrCad schematic Exp IF Op SW	
206073	Parts Manager Client Ap SW		225192	PCB DFF Analysis Op SW	LINUX
234107	DxD RF Design Op SW		206059	PCB Planner Ap SW	WIN
245599	PCB Design for Test Op SW		206060	PCB Viewer Ap SW	
247571	eDxDesigner Op SW		215737	TeamPCB - WG Op SW	
			236799	3D PCB Viewer Op SW	
			221242	ATP Flex for Expedition PCB Op SW	
			227594	ATP Embedded Passives Op SW	
			247560	eExpedition Op SW	
			243440	LPW. Mentor Expedition Ap SW	
Analysis and Verification			IE3D		
221154	Eldo for HyperLynx Op SW		243226	IE3D SI EM Des&Verification-4cCPU Ap SW	
225414	HyperLynx Analog Op SW		250838	HL 3D EM_Acceleration Bnd SW	
239985	HyperLynx SI GHz Bnd SW	LINUX			
233857	HyperLynx Thermal Ap SW	WIN			
220414	QUIET Expert Ap SW				
236251	EZwave for HyperLynx Ap SW				
239967	HyperLynx PI Power Bnd SW				



AUTOMOTIVE DESIGN & ANALYSYS

Over the last 20 years the number of mechatronic systems in the typical automobile has grown from an average of four to more than 20 and as many as 80. In response to the need for improved quality, efficiency and functionality of the design-to-manufacture flow while managing costs across the product life cycle, Mentor Graphics' solutions respond to the demanding problems of modern EE design.

Mentor Graphics offers design packages specifically for automotive engineering, comprising:

- Capital Harness Systems (CHS) – Electrical distribution system design, simulation and analysis, design data and change management, engineering and manufacturing analysis and support, enterprise integration (bridges for MCAD, PDM, etc.)
- Volcano™ Communication Technology – Network design automation tools, multiplex bus system analysis (CAN, LIN, FlexRay, etc.), deterministic approach to “correct-by-construction” in-vehicle software, network test and validation.
- SystemVision – A complete environment for creation and verification of mixed-signal and Multilanguage systems, prevalent in automotive electrical systems, control systems and mechatronic systems.

SYSTEM MODELING

SystemVision - A complete environment for creation and verification of mixed-signal and multi-language systems using the power of VHDL-AMS to verify your control and mechatronic systems.

SystemVision targets the following applications:

- Automotive Electrical Systems, addressing challenges such as increased vehicle mechatronic content, dual voltage system architecture design, function design & analysis & communication systems.
- Control Systems, such as system concept feasibility, digital/analog subsystem partitioning, hardware/software/firmware partitioning, subsystem I/O specification & dynamic system interactions not found at the subsystem level.
- Mechatronic Systems Design technology challenges such as mixed-technology systemic interactions, device sizing & component rating & algorithm testing with “software in the loop” capabilities.



CABLING & HARNESS DESIGN

Capital Harness Systems (CHS) - Addresses the complexities of integration and interconnection of electrical systems and design of their associated wire harnesses by providing a common, attractive user environment; a very rich data structure; and infrastructure services such as security and data reporting, and innovative functionality specialized to the electrical domain. This includes electrical distribution system design, simulation and analysis, design data and change management, engineering and manufacturing analysis and support, enterprise integration (bridges for MCAD, PDM, etc.).

Benefits

- Fully integrated application suite for electrical system design, electrical analysis, system integration / wiring design and harness engineering.
- Powerful embedded data management capabilities (vehicle configuration management, design comparison, data sharing etc).
- Productivity enhanced by modern technologies (wiring synthesis, interpretive analysis, diagram synthesis, etc).
- Architected for large organizations (multi-user, multi-site) with powerful enterprise integration capabilities.

CABLING & HARNESS TOOLS

Capital Harness	Platform	Capital Harness	Platform
237294 Capital Integrator Comp Ap SW		221960 Capital SimStress Op SW	
222413 Capital AVAssist Int Op SW		233365 Capital SimBridge Op SW	
223747 Capital Brg Top NX Op SW		237474 Capital HarnessXC Adv Bnd SW	LINUX
222016 Capital Brg Log NX Op SW		230930 Capital Brg XC NX Op SW	SUN
221957 Capital SimGrid Ap SW		240873 Capital Topology Op SW	WIN
223381 Capital Ground Design Op SW	LINUX	239184 Capital Insight Op SW	
223743 Capital Integration Srv Ap SW	SUN		
234971 Capital Ent Reporter Ap SW	WIN		
222581 Capital Logic Ap SW		Vesys 2.0 Products	
221984 Capital SimCertify Op SW		240850 VeSys Electrical Bnd SW	WIN
221985 Capital SimProve Op SW		SystemVision	
221986 Capital SimScript Op SW		238218 SystemVision 650 Bnd SW	WIN



VEHICLE NETWORKING

Volcano Network Architect (VNA) is Mentor Graphics' design and analysis tool for CAN and LIN communication systems. VNA provides design, analysis and administrative functions and supports designing systems with legacy electronic control units (ECUs) with fixed messaging. VNA is a standalone tool suitable for integration in legacy design processes as well as the ideal foundation for building a system engineering-based communication design process on. The VNA connects easily to other tools, for example enterprise-wide communication databases.

Volcano Network Architect: High level requirement capturing early in the design, automatically map signals to frames for better bandwidth utilization. HW-independent, signal-based API abstracting.

Volcano In-Vehicle Software: Signals-oriented API simplifies application development by abstracting the communication from the application; predictable behavior reduces testing.

Volcano Test and Validation: Monitor and display multiple network signals in one tool. Advanced emulation capabilities for simulating user-defined functionality.

System Vision: A mixed-signal modeling & simulation environment using the power of VHDL-AMS to verify your control & mechatronic systems.

VEHICLE NETWORKING TOOLS

Vehicle Networking		Platform
225668	Volcano VNA Integrator Seat	
225667	Volcano VNA Data Server Lic	
225670	Volcano LNA Dev Seat License	
237563	Volcano VSA	
234892	Volcano VSB	WIN
239558	Virtual Sys Integrator Ap SW	
237528	Volcano FR Com Designer	
237527	Volcano CAN Com Design	
237529	Volcano LIN Com Design	
SystemVision		Platform
238218	SystemVision 650 Bnd SW	WIN



MECHANICAL ANALYSIS

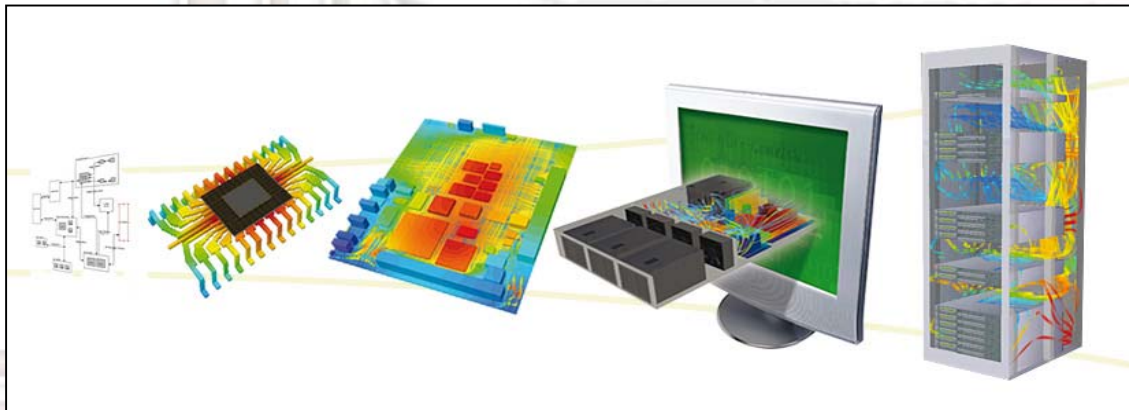
Mentor Graphics Higher Education Program's Mechanical Analysis Package provides complete solutions for electronics thermal design (electronics cooling); building heating and ventilation (HVAC); and Concurrent CFD – Computational Fluid Dynamics software embedded in a mechanical CAD environment.

Electronics Thermal Design - Mentor Graphics supports the complete thermal design of electronics from IC package through to system-level cooling.

- **FloTHERM™** - 3D computational fluid dynamics software that predicts airflow and heat transfer in and around electronic equipment, from components up to complete systems.
- **FloTHERM PCB™** - accelerates the conceptual thermal design of printed-circuit boards.
- **FloTHERM PACK™** is a Web-based solution that generates accurate thermal models of IC components, test boards, test harnesses and other associated parts with minimum effort.

Building Heating & Ventilation - FloVENT™ predicts and optimizes airflow & quality, temperature and contamination control in all types of buildings from data IT rooms, clean rooms, auditoriums, office buildings, car parks, vehicles, laboratories & hospitals.

Concurrent CFD - helps Engineers overcome challenges with Mechanical Engineering projects. **FloEFD™** is a full-featured 3D fluid flow and heat transfer analysis package without the numerical complexity and meshing overhead of traditional CFD.



MECHANICAL ANALYSIS TOOLS

FloTHERM		Platform	FloVENT		Platform
239808	FloTHERM Parallel Ap SW		239811	FloVENT Ap SW	
239804	FloTHERM Solver Op SW		239815	FloVENT Parallel Ap SW	
239803	FloTHERM 4 CC Solver Op SW	LINUX	239817	FloVENT Solver Op SW	SUN
239805	FloTHERM Parallel Solver Op SW	SUN	239816	FloVENT 4 CC Solver Op SW	WIN
239806	FloTHERM 4 CC Parallel Solver Op SW	WIN	239818	FloVENT Parallel Solver Op SW	
240109	FloTHERM.PCB Ap SW		239819	FloVENT 4 CC Parallel Solver Op SW	
238133	FloTHERM.PACK Subscription				
FloMCAD Products			FloEFD Products		
239822	FloMCAD.Bridge Ap SW	WIN	238141	FloEFD Ap SW	
			238154	FloEFD Electronics Cooling Mod Op SW	WIN
			238395	FloEFD Adv CFD Module Op SW	



RENEWING MEMBERS ONLY

For our existing members, please make sure that you review this section as it contains information on the changes to this year's program and packages available only to members renewing the use of specific tools.

This year, notable modifications to our product collection are as follows:

IC NANOMETER DESIGN

IC Design Flow

- The IC design products have undergone significant repackaging and renaming. The tools are now named **Pyxis** and replace the IC Station family. Note that all the functionality of IC Station is included within Pyxis, and that the license features for Pyxis will work with IC Station.

You will need to download and install the latest version of the IC Flow tools in order to work with the 2012 licenses.

We do recommend however that you upgrade to the Pyxis family as soon as practical.

Analog/Mixed Signal Simulation

- Questa ADMS Dual Language Bundle is replaced with Questa ADMS Core MixedHDL Bundle, which provides enhanced verification of the digital system.

Physical Verification and Manufacturing

- **Newly added design tools** - Calibre xACT 3D, Calibre DRC Auto-Waiver, Calibre CMPAnalyzer, Calibre YieldServer, Calibre xRC to ADMS, Calibre RealTime, Calibre Pattern Match.
- **Newly added manufacturing tools** - Calibre nmOPC DDL, Calibre nmSRAF, Calibre EUV, Calibre Pixbar, Calibre PRINTimage, Calibre nmBias.

DESIGN, VERIFICATION & TEST

Functional Verification Products

- The functional verification products have undergone a major repackaging. All the functionality of ModelSim SE, InFact and 0-In is included in the new **Questa Ultra Bundle** product.
- Seamless CVE is replaced by Questa Codelink Turbo.

Tessent Silicon Test

- Tessent TestKompress and Tessent Diagnosis are now available in the Higher Education Program.

VEHICLE NETWORKING

- **New Products** - Volcano VSA, Volcano VSB, Virtual Sys Integrator (VSI), Volcano FR Com Designer, Volcano CAN Com Design, Volcano LIN Com Design.



RENEWING MEMBERS ONLY

PACKAGES AVAILABLE FOR RENEWING MEMBERS ONLY

The following two packages, PCB Expedition Renewals and PCB Board Station are only available to members who are renewing the use of these tools.

PCB EXPEDITION RENEWALS

Components	Platform	Components	Platform
206052 Design Capture Ap SW		204419 IS FloorPlanner Ap SW	
206068 Design Capture PI Ap SW	LINUX	204417 IS MultiBoard Op SW	
206050 DesignView Ap SW	WIN	204420 IS Optimizer Ap SW	LINUX
215729 Spice Integration Op SW		204418 IS Synthesizer Ap SW	SUN
56401 FlowXpert Ap SW	LINUX	204422 IS_Analyzer Ap SW	WIN
56403 ProjectXpert Ap SW	WIN	206069 EDIF 2.0.0 Schematic I/F Ap SW	
56402 XpertBuilder Ap SW		221331 TAU Ap SW	

PCB BOARD STATION

Components	Platform	Components	Platform
34657 AccuParts V8 Op SW		205653 HDLWrite PLUS V8 Ap SW	
66919 AccuSim-HDLA Analog Dsn Stn SW		57123 Hispeed Lite V8 Op SW	
34625 AutoTherm V8 Ap SW		51637 Interactive Layout V8 Ap SW	
203465 Continuum QS Stn SW		204418 IS Synthesizer Ap SW	
51630 HDL-A/DEV V8 Op SW		204422 IS_Analyzer Ap SW	
220391 IdeaStationII SW		204419 IS FloorPlanner Ap SW	
34649 QuickFault II Kernel V8 Op SW		204420 IS Optimizer Ap SW	
217771 BPL-CAD Lib V8 Op SW-LSL10		204417 IS MultiBoard Op SW	
59834 BPL-Dig Analysis V8 Op SW-SL		221331 TAU Ap SW	
62000 Board Architect Stn V8 SW	LINUX	57105 ManufactureView V8 Ap SW	
39986 Board Stn V8 SW	SUN	44164 MultiChipMod Dsnr Stn V8 SW	LINUX
217332 EDIF 200 Netlist Reader Op SW	WIN	42732 PCB Mechanical I/F V8 Op SW	SUN
217333 EDIF 200 Netlist Writer Op SW		34635 PCB PACKAGE V8 Ap SW	WIN
218751 EDIF 200 Schm Reader Op SW		34640 ProtoView V8 Ap SW	
218753 EDIF 200 Schm Writer Op SW		51576 PTM:SITE V8 Op SW	
218752 EDIF 300-400 Schm Reader Op SW		206644 RE AutoRouter V8 Op SW	
218755 EDIF 300-400 Schm Writer Op SW		206646 RE Network AutoRouter V8 Op SW	
218756 EDIF300-400 Netlist Reader Op SW		206645 RE HighSpeed V8 Op SW	
218757 EDIF300-400 Netlist Writer Op SW		67977 RF Architect V8 Op SW	
57119 EngineerView Lite V8 Op SW		202131 RF EM Sim Interface Op SW	
30000 Falcon Framework V8 Ap SW		67978 RF Layout V8 Op SW	
51640 Falcon ITK V8 Ap SW		54769 Schematic Generator V8 Ap SW	
56401 FlowXpert Ap SW	SUN	215736 TeamPCB - EN Op SW	
56402 XpertBuilder Ap SW	WIN		
56403 ProjectXpert Ap SW			

EMBEDDED SW DEVELOPMENT TOOLS

Embedded Software	Platform
230918 EDGE Developer Suite	
ARM GNU Compiler Tools	
EDGE SimTest	WIN
Microtec C Compiler PPC	
EDGE Debug	



SUPPORT, TRAINING & MEMBERSHIP

SUPPORT

SupportNet, www.mentor.com/supportnet, Mentor's online support, provides the fastest and easiest way to resolve your technical and licensing support issues. On SupportNet, faculty and staff may:

- Access timely, product specific information
- Quickly troubleshoot technical issues
- Easily search documentation
- Securely download the latest releases and patches for all Mentor Graphics products if you are part of the faculty
- Learn, share and network with peers on Mentor Communities
- Suggest and vote on product improvements with Mentor Ideas

SupportNet Registration only takes a few minutes. To register, you will need your standard contact details, your university email address, and your Mentor Graphics site number. Faculty and staff may have full access to SupportNet. Students may register for SupportNet Knowledge Access to use TechNotes, AppNotes and Documentation.

TRAINING

Mentor Graphics offers a wide range of classes and web-based events and is committed to ensuring that members are fully trained in the use of Mentor's tools. In North America and Europe, faculty and teaching staff members are eligible to attend Mentor Graphics' advertised public training classes at zero cost on a space available basis. To view or register for these courses, visit the Education Services Website, www.mentor.com/training_and_services.

For other regions, please contact your local HEP representative.



CONTACT US

North and South America

Higher Education Program
Mentor Graphics Corporation
8005 SW Boeckman Road Wilsonville, OR 97070
Tel: (503) 685-1691
Fax: (503) 213-6015
higher_education@mentor.com

Mentor Graphics partners with CMC Microsystems to donate our design tools to CMC member universities.

CMC Microsystems
210A Carruthers Hall
Kingston, Ontario Canada K7L 3N6
Tel: (613) 530-4666
Fax: (613) 548-8104
<http://www.cmc.ca>

Europe

Ron Goedman
Mentor Graphics
Reactorweg 301, 3542 AD
Utrecht, Netherlands
Tel: +31 30 241 8500
Fax: +31 30 241 8507
ron_goedman@mentor.com

Mentor Graphics also partners with EURO PRACTICE to donate tools to Universities.

Europractice Microelectronics Support Centre
Rutherford Appleton Laboratory
Chilton, Didcot, Oxfordshire OX11 0QX
United Kingdom
Tel: +44 (0)1235 44 5327
Fax: +44 (0)1235 44 5546
enquiries@msc.rl.ac.uk

North Africa, Middle East and India

Nahla Zohdy
Business Development Manager
Mentor Graphics Egypt 78 El Nozha Street, Heliopolis
Cairo 11361, Egypt
Tel: +202- 24141306
Fax: +202 -24186945
nahla_zohdy@mentor.com

Brazil

Hitech El. Indl. Coml. Ltda
Avenida Adolfo Pinheiro
1000 Sobreloja 2 Conjunto 4 Alto da Boa Vista
Sao Paulo, SP 04734-002 Brazil
Tel: +55 11 2182-4316
Fax: +55 11 2183 4360
mentor@hitech.com.br

China

Xiang Jin
Mentor Graphics Shanghai
Room 2902, Jin Mao Tower 88
Shi Ji Da Dao
Pudong New Area, Shanghai 200120
Tel: +86-21-5047-1380
Fax: +86-21-5047-1379
Jin_Xiang@mentor.com

Ivy Wang
Mentor Graphics Beijing
Rm. 1512, Canaway Building
No. 66 Nan Li Shi Road
Beijing, China 100045
Tel: +86-10-59304000
Fax: +86-10-68080319
ivy_wang@mentor.com

Japan

Nagisa Kimura
Mentor Graphics Japan Co., Ltd.
Gotenyama Garden (52) 7-35
Kita-shinagawa 4-chome Shinagawa-Ku
Gotenyama Hills, Japan 140-0001
Tel: +81-3-6866-7806
Fax: +81-3-5488-3031
nagisa_kimura@mentor.com

Korea

Youmi Kim
Trade Tower Rm 2104 World Trade Center
Kangnam-gu Seoul, Kangnam-gu
Korea 135-729
Tel: +82-2-3016-4431
yumi_kim@mentor.com

Taiwan

Candy Liao
Mentor Graphics
International Trade Bldg.
Rm. 1001, 10F, No. 333, Sec. 1
Keelung Road, Taipei, Taiwan 110
Tel: +866-2-2757-6027
candy_liao@mentor.com

Asia Pacific

Gopinath Amargol
Mentor Graphics Asia Pte Ltd
238A Thomson Road #23-07/10
Novena Square Tower A
Singapore 307684
Tel: +65 6357-2806
Fax: +65 6779-1111
gopinath_amargol@mentor.com