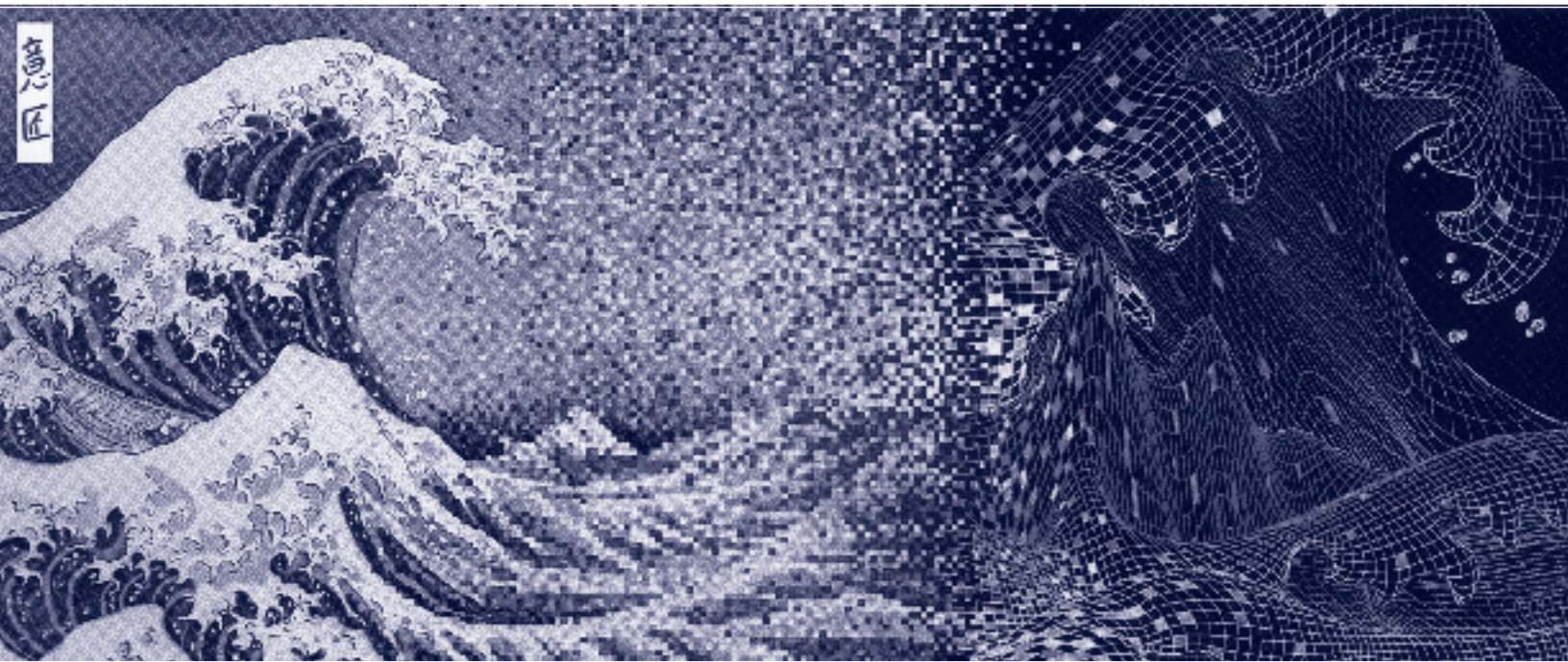


# MODELING & SIMULATION RESOURCE DIRECTORY

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2004

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A PUBLICATION OF THE SOCIETY FOR MODELING AND SIMULATION INTERNATIONAL

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CA, 92177, USA

# MODELING & SIMULATION

## RESOURCE DIRECTORY

Volume 9

2004

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THE SOCIETY FOR MODELING AND SIMULATION INTERNATIONAL (SCS)  
P.O. BOX 17900, SAN DIEGO, CA, 92177, USA

# I. Modeling & Simulation Software Guide

## **@RISK**

Palisade Corporation  
31 Decker Road  
Newfield, NY 14867  
Tel: (607) 277-8000  
Fax: (607) 277-8001  
Toll free: (800) 432-7475  
Email: sales@palisade.com  
<http://www.palisade.com>

*Description:* @RISK uses a technique known as Monte Carlo simulation to allow you to take all possible outcomes into account. Simply replace uncertain values in your spreadsheet model with @RISK functions to represent a range of possible values. Select bottom-line cells, like Total Profits, as outputs, and start a simulation. @RISK recalculates your spreadsheet hundreds or even thousands of times, each time selecting random numbers from the @RISK functions you entered. The result: distributions of possible outcomes and the probabilities of getting those results. This not only tells you what could happen in a given situation, but how likely it is that it will happen. @RISK 4.5 for Excel comes in three editions — Standard, Professional, and Industrial — to allow you to select the feature set which best meets your needs.

---

## **20-sim**

Controllab Products B.V.  
Drienerlolaan 5 EL-CE  
7522 NB Enschede  
The Netherlands  
Tel: +31 53 489 3096  
Fax: +31 53 489 2223  
Email: info@controllab.nl  
<http://www.20sim.com>

*Description:* 20-sim is a modeling and simulation program that runs under Windows. With 20-sim you can simulate the behavior of dynamic systems, such as electrical, mechanical, and hydraulic systems, or any combination of these. 20-sim has been developed at the Control Laboratory of the University of Twente, a successor of the famous TUTSIM package. It fully supports graphical modeling, allowing users to design and analyze dynamic systems in an intuitive and user-friendly way, without compromising power.

---

## **acslXtreme**

AEgis Technologies Group, Inc.  
631 Discovery Drive  
Huntsville, AL 35806  
Tel: (256) 922-0802  
Fax: (256) 922-0904  
Email: sales@aegistg.com  
<http://www.acslXtreme.com>

*Description:* acslXtreme is the sophisticated, next-generation tool for modeling continuous dynamic systems and processes. Simple to learn and easy to use, acslXtreme is a refreshingly modern application built on top of the latest technologies including .NET and XML. Whether your expertise is heat transfer, fluid flow, motion dynamics, 6-DOF modeling, electronics, pharmacology, or toxicology, in acslXtreme you will find a tool that is versatile and powerful enough to meet the needs of your most challenging simulation problems. With acslXtreme, you work easily and efficiently to achieve quick and accurate results. acslXtreme provides both graphical and text-oriented modeling environments that give you full control over your models. Best of all, acslXtreme helps you present and preserve your findings so you continue to capture value for your work well into the future.

---

## **AgentSheets**

AgentSheets, Inc.  
6560 Gunpark Dr., Suite D  
Boulder, CO 80301  
Tel: (303) 530-1773  
Fax: (303) 530-3018  
Email: sales@agentsheets.com  
<http://www.agentsheets.com>

*Description:* AgentSheets is a revolutionary authoring tool that allows non-programmers to create agents with behaviors and missions, teach agents to react to information and process it in personalized ways, and combine agents to create sophisticated interactive simulations and models. Our customers use AgentSheets to create interactive games, virtual worlds, training simulations, information gathering and personalizing agents, and other interactive content. Users can interact with their agents via multiple modalities such as mouse and keyboard input, speech recognition and synthesis, music, and video. AgentSheets features our unique Visual AgenTalk® tactile and rule-based language to create, modify, and customize agent behavior. The Ristretto® generator technology incorporated in AgentSheets turns a simulation directly into an interactive Java applet embedded in a Web page. AgentSheets enables users to deliver content on PDAs (such as iPAQ), cell phones, Web browsers, and desktop machines. Content can take the form of Java applets, JavaBeans or Macromedia Flash movies. AgentSheets runs both on Windows and Macintosh platforms. Both versions are available at our secure store. If you wish to try the products before buying them, you can download a 10-day trial version.



## Alices

CORYS T.E.S.S.  
74, Rue des Martyrs  
38027 Grenoble Cedex 01  
France  
Tel: +33 4 76 28 82 00  
Fax: +33 4 76 28 82 11  
Email: [coryscom@corys.fr](mailto:coryscom@corys.fr)  
<http://www.corys.com>

**Description:** Alices is the fully integrated modeling and simulation environment. Alices combines the long experience of Corys T.E.S.S. in power plant and complex systems real-time simulation with the most recent software technologies. Alices is designed to produce high-fidelity dynamic simulation models with less effort, lower development times, and lower costs.

## Analytica

Lumina Decision Systems, Inc.  
26010 Highland Way  
Los Gatos, CA 95033  
Tel: (650) 212-1212  
Fax: (650) 240-2230  
Toll free: (877) 6-Lumina  
Email: [info@lumina.com](mailto:info@lumina.com)  
<http://www.lumina.com>

**Description:** Analytica 3.1 brings clarity and power to business modeling. Analytica is a visual software tool for creating, analyzing, and communicating quantitative business models. Analytica takes you beyond the spreadsheet, making it easy and fast to communicate the essential qualitative structure of your models with the graphical clarity of influence diagrams; scale up your models to handle the multidimensional problems of the real world with power and ease using Intelligent Arrays; manage risk and uncertainty using efficient Monte Carlo simulation; and deploy models on the web quickly and easily (via the Analytica Decision Engine). Download a free 30-day trial from the Web site.

## ANTHEM™

CAE  
8585 Côte de Liesse  
Saint-Laurent, Quebec  
Canada H4T 1G6  
Tel: (514) 341-6780  
Toll free: (800) 760-0667  
Fax: (514) 341-7699  
<http://www.cae.com>

**Description:** CAE's advanced thermal-hydraulic model (ANTHEM™) is based on a rigorous application of the equations of mass, momentum, and energy conservation and implicit numerical techniques combined with the latest developments in computer technology. ANTHEM has been successfully installed and validated on numerous simulators and simulator upgrades currently certified for training. A single model is used for all operations without switching to reduced nodalizations or simplified models. The model takes into account such phenomena as feed and bleed cooling, shrink and swell, loop seals, natural circulation, flow stagnation, local boiling and condensation, phase separation, and the effect of local buildups of void or non-condensables. ANTHEM is a non-equilibrium, non-homogeneous, drift flux model.

## AnyLogic

XJ Technologies  
Politekhnikeskaya Street, 21  
St. Petersburg, 194021  
Russian Federation  
Tel: +7 (812) 247-1674  
North America: (630) 717-8066  
Fax: +7 (812) 247-1639  
<http://www.xjtek.com>

**Description:** AnyLogic is a professional simulation tool for complex discrete, continuous, and hybrid systems. Powerful and flexible, it is used to model, simulate, visualize, and analyze a diverse range of real-world problems. AnyLogic is innovative software based on such advanced technologies as UML, Java, hybrid systems theory, and best numerical methods. AnyLogic is a general-purpose simulation tool. Its modeling language is flexible, capable of capturing a great variety of real-world phenomena of discrete, continuous, and hybrid nature. XJ Technologies develops, markets, and sells simulation and design automation software and services. Download a 15-day trial of AnyLogic 5.2.0 from the Web site.

## Arena

Rockwell Software  
The Park Building  
504 Beaver Street  
Sewickley, PA 15143  
Tel: (412) 741-3727  
Fax: (412) 741-5635  
Email: [arena-info@software.rockwell.com](mailto:arena-info@software.rockwell.com)  
<http://www.arenasimulation.com>

**Description:** Organizations throughout the world are quickly moving to adopt process modeling and simulation as an integral part of their business decision making. With wider acceptance of simulation, consumers are demanding tools that support a breadth of applications, scale to fit different needs through a project life cycle, and integrate with corporate modeling and database systems. Rockwell Software fulfills these needs with the Arena product family.

---

**AutoMod™**

Brooks Automation, Inc.  
5245 Yeager Road  
Salt Lake City, UT 84116-2877  
Tel: (801) 736-3201  
Fax: (801) 736-3443  
Email: automod-info@brooks.com  
<http://www.automod.com>

*Description:* The AutoMod™ Suite of simulation software provides unsurpassed tools for the design, analysis, and emulation of complex systems. AutoMod combines Virtual Reality (VR) graphics with a flexible, powerful, discrete, and continuous simulation environment. Templates of commonly used components facilitate quick and accurate modeling of a wide range of systems, such as manufacturing operations, material handling system, tanks and pipe networks, warehousing/distribution centers, transportation and logistics systems, baggage handling and airport operations, semiconductor manufacturing, and material handling.

---

**CimStation Inspection**

SILMA  
24148 Research Drive  
Farmington Hills, MI 48335  
Tel: (248) 426-9090  
Fax: (248) 426-9095  
Toll free: (800) 34-SILMA  
Email: info@silma.com  
<http://www.silma.com>

*Description:* CimStation Inspection is a powerful 3-D graphics simulation and programming tool used to create and optimize programs for Coordinate Measuring Machines (CMMs). CimStation Inspection facilitates concurrent engineering by enabling manufacturers to create CMM programs from CAD data long before the physical part exists or the machine is purchased. CimStation Inspection is available on UNIX workstations and for Windows NT. CimStation Inspection can be purchased through SILMA's sales offices, through a network of International Distributors, and through U.S. Resellers. As programs are created and edited, users visualize the CMM, probes, parts, and fixtures in real-time 3-D graphics. Simulations can be replayed at any speed and viewed from any angle or distance. Using CimStation Inspection, CMM programmers can develop and verify the inspection sequence required to inspect a new part in a fraction of the time it would take to manually generate the same program.

---

**COMET™/Chorus™**

CAE  
8585 Côte de Liesse  
Saint-Laurent, Quebec  
Canada H4T 1G6  
Tel: (514) 341-6780  
Toll free: (800) 760-0667  
Fax: (514) 341-7699  
<http://www.cae.com>

*Description:* COMET™ (Core Model based on Equivalence Theory) is used to accurately simulate all types of nuclear reactors in three dimensions. Chorus is a Windows-based application used to interpret huge amounts of data in order to aid in the design of a reactor's core. Chorus is designed to work in conjunction with COMET in order to optimize refuelling upgrades.

---

**Crystal Ball 7**

Decisioneering, Inc.  
1515 Arapahoe Street  
Suite 1311  
Denver, CO 80202  
Tel: (303) 534-1515  
Fax: (303) 534-4818  
Toll free: (800) 289-2550  
Email: sales@crystalball.com  
<http://www.decisioneering.com>

*Description:* Crystal Ball 7 Standard Edition is the easiest way to perform Monte Carlo simulations in your own spreadsheets. Crystal Ball automatically calculates thousands of different "what if" cases, saving the inputs and results of each calculation as individual scenarios. Analysis of these scenarios reveals to you the range of possible outcomes, their probability of occurring, which input has the most affect on your model and where you should focus your efforts. With Crystal Ball 7 you can add scalable methods for collaborating, communicate and persuade, and get a credible picture of risk.

---

**CSIM 19**

Mesquite Software, Inc.  
8500 N. Mopac Expwy, Suite 825  
Austin, TX 78759  
Tel: (512) 338-9153  
Fax: (512) 338-4966  
Toll free: (800) 538-9153  
Email: info@mesquite.com  
<http://www.mesquite.com>

*Description:* With the introduction of CSIM 19, Mesquite Software brings you an advanced simulation toolkit to implement process-oriented, discrete-event models for larger, more complex systems. Gain valuable insight into your system's dynamic behavior using CSIM 19's impressive new features. Enjoy the unparalleled flexibility and time savings of working with standard C or C++ programming languages.

---

**D-ITG**

Contact Antonio Pescape  
Email: Pescape@unina.it

*Description:* Distributed Internet Traffic Generator (D-ITG) is a synthetic traffic generator able to reproduce realistic traffic according to appropriate stochastic processes.

## **Datapath® X**

CAE

8585 Côte de Liesse  
Saint-Laurent, Quebec  
Canada H4T 1G6  
Tel: (514) 341-6780  
Toll free: (800) 760-0667  
Fax: (514) 341-7699  
<http://www.cae.com>

**Description:** Datapath® X is CAE's tool for the emulation of operator stations for plant process computers (PPC) and Distributed Control Systems (DCS). Datapath X, part of CAE's Datapath family, is a real-time data acquisition and control system comprised of geographically distributed nodes used for the monitoring and automation of electrical substations and power generation equipment. Datapath's well-integrated architecture provides a complete solution to customers, including operator user interfaces, control sequence development tools, I/O and redundancy. Datapath X is offered on all popular platforms, including Windows, Unix, and Linux.

## **DecisionPro™**

Vanguard Software Corporation  
1100 Crescent Green  
Cary, NC 27511  
Tel: (919) 859-4101  
Fax: (919) 851-9457  
Toll free: (800) 538-8173  
Email: [sales@vanguardsw.com](mailto:sales@vanguardsw.com)  
<http://www.vanguardsw.com>

**Description:** DecisionPro picks up where your spreadsheet leaves off. It helps you make the best possible business decisions by applying proven management techniques such as decision tree analysis, Monte Carlo simulation, linear programming, and advanced forecasting methods. By integrating all of the key quantitative methods in management into a single application, DecisionPro gives you unprecedented power and flexibility. What's more, DecisionPro's innovative interface makes this power so easy to apply that you will find yourself using it even for routine problems.

## **DELMIA**

Delmia Corporation  
900 N. Squirrel Rd.  
Auburn Hills, MI 48326  
Tel: (248) 267-9696  
Fax: (248) 267-8585  
Email: [info@delmia.com](mailto:info@delmia.com)  
<http://www.delmia.com>

**Description:** DELMIA offers the most comprehensive suite of digital 3-D manufacturing solutions available in today's marketplace. We provide authoring applications to support manufacturing processes, which have to be planned, detailed, analyzed, and simulated throughout the Manufacturing Engineering Cycle. Integrated application suites are available to address process planning, cost estimation, factory layout, ergonomics, robotics, machining, inspection, factory simulation, and production management. DELMIA's Digital Manufacturing Solutions are built around an open Product, Process, and Resource (DS PPR Hub) model that provides a federating hub, connecting the different repositories and applications of the extended manufacturing enterprise. Extending well beyond traditional product data management, PPR enables continuous, dynamic simulation of product performance and manages the effects of change on the product, its processes, and resources. Integrity of the PPR data, optimization of the entire manufacturing processes, and a seamless integration with the design world are the main benefits of the DELMIA solution.

## **Dymola**

MathPros, Inc.  
P.O. Box 102  
Natick, MA 01760  
Email: [info@mathpros.com](mailto:info@mathpros.com)  
<http://www.mathpros.com>

**Description:** Dynasim has developed Dymola with a new technology for multi-engineering modeling and simulation for use within automotive, aerospace, robotics, process, and other applications. Dymola allows simulation of the dynamic behavior and complex interactions between, for example, mechanical, electrical, thermodynamic, hydraulic, and control systems.

## **DYNSIM**

SimSci Esscor  
26561 Rancho Parkway South  
Lake Forest, CA 92630  
Tel: (949) 455-8150  
Email: [info.us@simsci.com](mailto:info.us@simsci.com)  
<http://www.simsci-esscor.com>

**Description:** A state-of-the-art dynamic process simulation program that enables the user to meet and beat the dynamic challenges of designing and operating a modern process plant safely and profitably. DYNSIM takes full advantage of SIM4ME, SimSci-Esscor's next generation user environment. Designed with model data inheritance as a key concept, it expedites your comprehensive engineering workflow – design, operational analysis, dynamic simulation, operator training, performance monitoring, and real-time optimization to reduce capital investment costs, improve process yields, and enhance management decision support while leveraging your existing technology investments.

## **eMPower**

Tecnomatix Technologies, Ltd.  
Delata House  
16 Hagalim Ave.  
Herzila, Israel 46733  
Tel: (972) 9-9594777  
Fax: (972) 9-9544402  
<http://www.tecnomatix.com>

***Description:*** Tecnomatix eMPower is the most comprehensive suite of Manufacturing Process Management (MPM) solutions available today. Its open platform provides a collaborative environment for authoring, simulating, and optimizing manufacturing processes across the extended enterprise. The eMPower solution helps manufacturing boost enterprise competitiveness by accelerating product introductions and time-to-volume, allowing rapid change implementation and the fast transfer of processes and best practices. eMPower connects all members of the manufacturing chain from designers, engineering and manufacturing, to plants and suppliers and helps them respond to the new challenges created by today's e-business environment. eMPower products are available in several solution sets — each comprising a family of advanced applications for both mechanical and electronics manufacturing. These sets include: eM-Planner, eM-Plant, eM-Engineer, eMPower for Machining, and eMPower for Quality for most mechanical manufacturing environments; and eMPower PCB Assembly and Test, eMPower Box Build, and eMPower Execution Systems for electronics manufacturing.

---

## **Ensemble**

Evans & Sutherland  
600 Komas Drive  
Salt Lake City, UT 84108  
Tel: (801) 588-1000  
Fax: (801) 588-4500  
E-mail: [info@es.com](mailto:info@es.com)  
<http://www.es.com>

***Description:*** Ensemble is the first complete, turnkey, PC-based image generation system. Ensemble II offers high polygon capacity for high 3-D feature density, physics-based atmospheric and sensor effects, and support for a variety of database formats. Ensemble also features E&S REALimage® technology-high-performance graphics for NT workstations; simulation-specific features; open architecture; off-the-shelf components; scalable in number and type of channels, pixel fill rate, and polygon capacity; and aggressive performance roadmap.

---

## **Enterprise Dynamics**

Planetenbaan 21  
3606 AK Maarssen  
The Netherlands  
Tel: 31 346 552500  
Fax: 31 346 552451  
E-mail: [SimInfo@EnterpriseDynamics.com](mailto:SimInfo@EnterpriseDynamics.com)  
<http://www.enterprisedynamics.com>

***Description:*** Enterprise Dynamics is an object-oriented dynamic analysis and control system. The system consists of a powerful Enterprise Dynamics (E.D.)-Engine® and many building blocks grouped into E.D.-Suites®. An E.D.-Suite is configured for a specific field of expertise, to assist the modeling of a specific problem, branch, or area. Animations can range from 2-D flowcharts to true 3-D Virtual Reality models that empower imagination and creativity. Building blocks can be easily created, customized, and added into your personal E.D.-Suite. The creation or customization of E.D.-Suites has no technical limitations.

---

## **ExpertFit®**

Averill M. Law & Associates  
6601 East Grant R., Suite 110  
Tucson, AZ 85717  
Tel: (520) 795-6265  
Fax: (520) 795-6302  
E-mail: [averill@simulation.ws](mailto:averill@simulation.ws)  
<http://www.averill-law.com>

***Description:*** ExpertFit's distribution-fitting methodology is based on 24 years of research and on extensive experimentation with 35,000 data sets. ExpertFit was developed by Dr. Averill M. Law, who is widely recognized as one of the world's foremost authorities on simulation and distribution fitting. ExpertFit has a comprehensive set of features that allow you to use 40 different distributions even if they are not in your simulation software; provides more than 30 high-quality graphs and four technically correct goodness-of-fit tests; allows multiple distributions on a plot; and allows batch-mode capability for analyzing a large number of data sets. ExpertFit can be configured to fit your particular needs through two modes of operation that allow you to configure ExpertFit to your background and to your application.

---

## **Extend**

Imagine That, Inc.  
6830 Via Del Oro, Suite 230  
San Jose, CA 95119  
Tel: (408) 365-0305  
Fax: (408) 629-1251  
E-mail: [extend@imaginethatinc.com](mailto:extend@imaginethatinc.com)  
<http://www.imaginethatinc.com>

***Description:*** By combining a core set of robust simulation capabilities with an extensible modular design, the Extend family of simulation tools offers unmatched modeling performance and versatility. Each of the four Extend products includes a core set of features such as an evolutionary optimizer, unlimited hierarchy, customizable animation, model navigator, COM/ActiveX automation, and ODBC communication. Each Extend product adds unique capabilities to the underlying simulation engine.



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**Factory Explorer®**

Wright, Williams & Kelly  
6200 Stoneridge Mall Rd  
3rd Floor  
Pleasanton, CA 94588  
Tel: (925) 399-6246  
Fax: (925) 396-6174  
<http://www.wwk.com>

*Description:* Factory Explorer® is a unique software tool that answers critical manufacturing questions helping you to know optimal factory size, how to reduce cycle time and product costs, locations of factory bottlenecks, and time trends in inventory levels. Factory Explorer® is supported by the world's leading operational modeling software and services provider, Wright, Williams & Kelly. Whether you need a software tool or a staff of on-site manufacturing experts, we provide the most cost-effective solutions to your business needs.

---

**FlexSim**

FlexSim Software Products, Inc.  
1577 N Technology Way, Bldg. A  
Orem, Utah 84097  
Tel: (801) 224-6914  
Fax: (801) 224-6984  
Email: [sales@flexsim.com](mailto:sales@flexsim.com)  
<http://www.flexsim.com>

*Description:* FlexSim is a PC-based simulation software application used by businesses and organizations around the globe for modeling, simulation, and visualization of their systems and processes. Whether you need to model manufacturing, material handling, logistics, administration, or virtually any type of process, FlexSim is the tool of choice. Modeling objects can be customized exactly to match the processes you manage. Every model in FlexSim can be viewed in 3-D virtual reality animation. If you are looking to improve and optimize the processes you manage, then you have come to the right place.

---

**FlightViz**

SimAuthor, Inc.  
4840 Pearl East Circle  
Suite 201E  
Boulder, CO 80301-6115  
Tel: (303) 545-2132  
Fax: (303) 545-2133  
<http://www.simauthor.com>

*Description:* FlightViz is an interactive visualization environment, which instantly creates real-time, interactive, high-fidelity graphical depictions of flight and simulator data. Several different methods of data visualization are available ranging from graphs, spreadsheets, and navigational charts to synchronized video and detailed three-dimensional graphic animations of the flight.

---

**GoldSim**

GoldSim Technology Group  
22516 SE 64th Place, Suite 110  
Issaquah, WA 98027  
Tel: (425) 295-6985  
Fax: (425) 642-8073  
<http://www.goldsim.com>

*Description:* GoldSim is a general-purpose probabilistic simulation package that can be used by a wide variety of professionals. The software is highly graphical (users literally draw influence diagrams of their models), extensible, and flexible. It has a powerful Monte Carlo simulation engine and can simultaneously represent both continuous and discrete dynamics to support simulation of complex, dynamic systems. Powerful add-in modules facilitate applications in various industries.

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**HighMAST™**

Highpoint Software Systems, LLC  
S42 W27451 Oak Grove Lane  
Waukesha, WI 53189  
Tel: (262) 893-5400  
Fax: (262) 650-0781  
E mail: [info@highpointsoftware.com](mailto:info@highpointsoftware.com)  
<http://www.highpointsoftware.com>

*Description:* HighMAST™ is our flagship product. It is a robust and powerful object oriented simulation framework, written to an open architecture in C# for .NET. Many vendors will tell you their products are object-oriented, but if you don't have full visibility into them, you're still probably making compromises.

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**HLA LabWorks**

AEgis Technologies Group, Inc.  
631 Discovery Drive  
Huntsville, AL 35806  
Tel: (256) 922-0802  
Fax: (256) 922-0904  
<http://www.aegistg.com>

*Description:* HLA LabWorks is an AEgis COTS software tool suite that will dramatically reduce High Level Architecture (HLA) simulation/federation development costs. HLA LabWorks consists of the following components: OMDT Pro automates building HLA models; OMDT JMASS will shorten the time required to document a JMASS team's Simulation Object Model (SOM); FedProxy will enable you to generate a working HLA federate from any HLA Federation Object Model (FOM) or Simulation Object Model (SOM) fast and easy; Analysis Station is an HLA Federation Simulation Data Collection (logging) Tool providing the capability for real time (and recording) statistical plotting and data playback; FedDirector makes managing the complete life cycle of any HLA federation from creation through resignation easy and intuitive; The Scenario Generation Toolset is designed to centralize the scenario development process for distributed simulation environments and maximize the ability to reuse scenario specifications; OMni gives simulations the ability to establish a Federation Object Model independent interface to the HLA Runtime Infrastructure (RTI).

## **iGrafx**

Corel Corporation  
1600 Carling Avenue  
Ottawa, Ontario K1Z 8R7  
Canada  
Tel: (800) 772-6735  
Fax: (613) 761-9176  
Email: [custserv@corel.com](mailto:custserv@corel.com)  
<http://www.igrafx.com>

**Description:** iGrafx is a comprehensive suite of business management tools that help organizations understand, analyze, and optimize their processes. iGrafx creates a team-based collaborative process visualization and analysis environment that enables you to gain and sustain leadership and increase your return on investment. Organizations realize that their competitive advantage lies in implementing and managing an effective process to deliver products and services. Our process management solution will assist in reducing costs and increasing utilization, allocation, and deployment of resources. iGrafx transforms business owners into process owners by providing the necessary tools to engage in successful decision making to communicate powerful recommendations.

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## **Isis™**

CAE  
8585 Côte de Liesse  
Saint-Laurent, Quebec  
Canada H4T 1G6  
Tel: (514) 341-6780  
Toll free: (800) 760-0667  
Fax: (514) 341-7699  
<http://www.cae.com>

**Description:** Isis™, CAE's modular instructor station, has been designed to assist the instructor in controlling the training environment while monitoring all aspects of trainee and simulator performance. Available on Linux, Unix, and Windows platforms, its modular design allows it to be easily integrated into any existing simulator environment or perfectly coupled with CAE's simulation environment. All standard windowing features are supported. The windows can be moved, resized, pushed, popped, stowed, and closed as required. Graphic pages such as system schematics and virtual panels can be easily panned and zoomed for maximum versatility.

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## **Maya**

Alias Systems  
210 King Street East  
Toronto, Ontario M5A 1J7  
Canada  
Tel: (416) 362-9181  
Fax: (416) 369-6140  
Toll free: (800) 447-2542  
<http://www.alias.com>

**Description:** Maya is the first choice for digital content creators producing world-class games, 3-D animation, and visual effects. It is the world's most comprehensive production solution for 3-D artists in animation and visual effects, from initial concept right through to final rendered image. Maya is available for Windows XP Professional, Windows 2000 Professional, Mac OS X, IRIX, and Linux.

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## **Micro Saint Sharp**

Micro Analysis & Design  
4949 Pearl East Circle, Suite 300  
Boulder, CO 80301  
Tel: (303) 442-6947  
Fax: (303) 442-8274  
<http://www.maad.com>

**Description:** Built off the very successful Micro Saint engine, but completely redesigned to be faster, modular, and more powerful! Micro Saint Sharp is a general purpose, discrete-event simulation software tool. Micro Saint Sharp's intuitive graphical user interface and flow chart approach to modeling make it a tool that can be used by generalists as well as simulation experts. Micro Saint has proven to be an invaluable asset in both small businesses and Fortune 500 companies and in many areas including the military, human factors, health care, manufacturing, and the service industry. Micro Saint Sharp's power, flexibility, and tools for optimization make it the simulation tool of choice for any organization. With a computer model of your process built in Micro Saint Sharp, you can begin to get the answers to your "what if" questions. What if I change the way humans work with the system? What if I change my resource mix? What if I rearrange the process? Find the answers with Micro Saint Sharp quickly and completely for systems of all sizes, shapes, and complexities.

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## **MineSim™**

Systemflow Simulations, Inc.  
6366 Guilford Avenue, Suite 300  
Indianapolis, IN 46220  
Tel: (317) 466-0664  
Fax: (317) 466-0821  
<http://www.systemflow.com/minesim>

**Description:** MineSim™ is an interactive web-based simulation of a portion of an underground mine. This simulator was developed by Systemflow Simulations, Inc. You can use the public version of MineSim to learn about simulation, to explore the topic of underground mining, or just to have some fun. MineSim is written in Java and runs automatically as an applet on your computer under Microsoft Internet Explorer (IE) version 5.0 or later. There is no charge for using this software, but we would appreciate it if you would email us your comments.

## **MRMAIDE**

Ram Laboratories, Inc.  
10525 Vista Sorrento Pkwy  
Suite 220  
San Diego, CA 92121  
Tel: (858) 677-9207  
<http://www.ramlabs.com>

*Description:* MRMAIDE is a mixed-resolution modeling aide used to enable the development of multi-resolution simulations and federations. MRMAIDE supports aggregation and abstraction at the entity, component, and federate levels.

## **MSC.ADAMS®**

MSC.Software Corporation  
2 MacArthur Place  
Santa Ana, CA 92707  
Tel: (714) 540-8900  
Fax: (714) 784-4056  
Toll free: (800) 328-4672  
<http://www.mscsoftware.com>

*Description:* By using the MSC.ADAMS® suite of software you are able to simulate, understand, and quantify the performance of your mechanical systems before you commit to expensive hardware prototypes or conduct numerous physical tests. By adding industry-specific products onto this motion simulation foundation, manufacturers are able to capture their industry knowledge, utilize templates tailored to their engineering processes, and develop consistent virtual prototypes that guide them in making critical design decisions.

## **ProcessModel**

ProcessModel, Inc.  
32 West Center, Suite 301  
Provo, UT 84601  
Tel: (801) 356-7165  
Fax: (801) 356-7175  
Email: [info@processmodel.com](mailto:info@processmodel.com)  
<http://www.processmodel.com>

*Description:* ProcessModel helps analyze mission-critical processes for designing and improving business process. By using a simple flowchart interface users can perform a detailed analysis of processes and accurately predict the impact of changes to the system. Advanced features include an intelligent optimization module, a value-added time selectro, and a resource shift editor. ProcessModel also provides a detailed statistical report which allows you to directly compare your existing process with proposed fixes.

## **ProModel**

ProModel Corporation  
556 East Technology Ave.  
Orem, UT 84097  
Tel: (801) 223-4600  
Fax: (801) 226-6046  
Email: [sales@promodel.com](mailto:sales@promodel.com)  
<http://www.promodel.com>

*Description:* The ProModel Optimization Software Suite is simulation-based software for evaluating, planning, or designing manufacturing, warehousing, logistics, and other operational and strategic applications. This easy-to-use software allows you to build —without risk— computer representations and test scenarios to find the best solutions. The animation and graphical reports are powerful tools for visualizing, understanding, and improving your most critical business challenges. ProModel can help build custom solutions, including powerful applications linked to ERP and other data systems. The ProModel predictive technology offers you the power of creating customized front- and back-end interfaces that communicate directly with ProModel. Using Microsoft Visual Basic (or any other ActiveX-enabled language), you can add capabilities to ProModel products including: customized user interface with table inputs; custom-designed parameter screens; automatic model creation from external data sources (e.g. Excel spreadsheets, databases, or ASCII text files); and software execution from another application.

## **PSpice**

OrCad Technologies  
2655 Seely Avenue  
San Jose, CA 95134  
Tel: (408) 943-1234  
<http://www.orcad.com>

*Description:* PSpice is a full-featured simulator for serious analog designers, providing advanced simulation solutions for analog and mixed-signal environments. Analog and mixed-signal designers rely on PSpice simulation solutions for accurate circuit simulations and the latest in simulation technology. With its sophisticated internal models, you can simulate everything from high-frequency systems to low-power IC designs. Draw on the large library of models for off-the-shelf parts, or create models for new devices from their data sheets. Fully understand and explore the relationships in your design with “what if ” scenarios and design analyses.

## RELAP5 R/T

Data Systems & Solutions  
12100 Sunset Hills Rd  
Suite 310  
Reston, VA 20190  
Tel: (703) 375-2800  
Fax: (703) 375-2959  
Email: info@ds-s.com  
<http://www.ds-s.com>

*Description:* RELAP5 R/T is a very high fidelity real-time model for diverse applications ranging from nuclear reactor thermalhydraulics to complex feedwater systems. RELAP5 R/T is the world's most widely respected safety analysis code. Recent advances in operating systems and ever expanding hardware capabilities have enabled Data Systems & Solutions to team with Idaho National Engineering Labs to successfully bring RELAP5 into the real-time simulator environment. This model has been successfully benchmarked in real time for all operating and transient conditions. This new version of RELAP5 provides the flexibility to analyze a full range of transient plant conditions and predict accurate results under all modes of plant operation. Embedded in RELAP5 R/T is the Nodal Neutronics Kinetics Module (NNKM), a 3-D, full two group, engineering grade neutronics model. The NNKM model is supplied with tools to support the user in producing cycle-specific core lifetimes.

## Risky Project

Intaver Institute, Inc.  
303, 6707, Elbow Drive S.W.  
Calgary, Alberta, T2VOE5  
Canada  
Tel: (403) 692-2252  
Fax: (403) 259-4533  
Email: sales@intaver.com  
<http://www.intaver.com>

*Description:* Risky Project is a project planning, quantitative risk analysis and performance measurement software that project managers can use to simulate and implement projects with multiple risk and uncertainties. Risky Project analyzes project schedule and risk lists together, performs Monte Carlo simulations, and calculates the chance that a project will be completed within a given budget and period of time.

## ROSE

CAE  
8585 Côte de Liesse  
Saint-Laurent, Quebec  
Canada H4T 1G6  
Tel: (514) 341-6780  
Toll free: (800) 760-0667  
Fax: (514) 341-7699  
<http://www.cae.com>

*Description:* With ROSE® our engineers and customers can design, model, test, and validate ship systems while reducing ship and system developments costs and schedules. CAE's ROSE® is a graphical programming tool for the development of simulation models and control system software. ROSE® provides a user-friendly object-oriented environment for developing high-fidelity real-time simulation models of complex systems as well as control software. ROSE® is being used as a simulation-based design tool on the U.K. Royal Navy's new Astute-class submarine program for design verification and boat performance analysis.

## RT-LAB

Opal-RT Technologies Inc.  
1751 Richardson, Suite 2525  
Montréal, Québec H3K 1G6  
Canada  
Tel: (514) 935-2323  
Fax: (514) 935-4994  
Toll free: (877) 935-2323  
E-mail: info@opal-rt.com  
<http://www.opal-rt.com>

*Description:* RT-LAB is an industrial grade software package for engineers who use mathematical block diagrams for simulation, control, and related applications. RT-LAB provides tools for running and monitoring your simulations or controls on various runtime targets. An open architecture allows RT-LAB to work with popular diagramming tools and RT-LAB also works with popular viewers, and with programming languages including Visual Basic™ and C++. The runtime code is compact and efficient, with excellent real-time characteristics. This means that it runs well on older 386/486 computers and gives blazing performance on newer machines. RT-LAB is the first fully scalable simulation and control package, since it allows you to divide models to run in parallel on your choice of either a network of standard PCs or on SMP (symmetric multi-processor) machines. RT-LAB works with a wide range of commercial I/O. Opal-RT has spent years of research to make sure that parallel execution does not subtly alter model behavior, introduce real-time glitches, or cause dead-locks.

## SIM4ME

SimSci Esscor  
26561 Rancho Parkway South  
Lake Forest, CA 92630  
Tel: (949) 455-8150  
Email: info.us@simsci.com  
<http://www.simsci-esscor.com>

*Description:* SIM4ME Service Solutions provide an efficient means of getting technology implemented rapidly to help solve process design and operations issues and improve plant profitability. Using service solutions, your company will reduce valuable lead time, lower costs, increase profitability, and maximize the use of rigorous predictive models to aid efficient operations. SIM4ME Service Solutions also offer process companies the unique ability to create software interfaces and systems integration with in-house and third-party software, develop complex modeling simulations and optimization tools, and provide ongoing project support, comprehensive risk analysis, and consulting services.



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**Simcad Pro**

CreatASoft, Inc.  
1212 S. Naper Blvd., Suite 119  
Naperville, IL 60540  
Tel: (630) 428-2850 x. 204  
Fax: (630) 357-2590  
E-mail: sales@createasoft.com  
<http://www.createasoft.com>

***Description:*** Simcad Pro is a process simulation and modeling tool, designed to build a virtual copy of your business from the top down. Customize your model by importing your own images, clip art, and CAD files into the model. With Simcad Pro, you can build a small, but realistic replica of your business that behaves like the real world model. Modify it, redesign it, or simply experiment with it; the possibilities are endless.

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**SimFlex™**

Production Modeling Corporation  
Three Parklane Blvd  
Suite 1006 West  
Dearborn, MI 48126  
Tel: (313) 441-4460  
Fax: (313) 441-6098  
<http://www.pmc Corp.com>

***Description:*** SimFlex™ is a product of unique, powerful, and revolutionary supply chain simulation technology. This supply chain simulation software enables companies to simulate supply chain dynamics, and thereby evaluate multiple planning criteria and real-world variations. The accuracy of the results generated by SimFlex™ enables companies to make strategic and cost-conscious decisions concerning complex supply chain issues intelligently, nimbly, and quantitatively. Additionally, companies are able to understand, and hence proactively anticipate, potential impacts on the supply chain network as various market conditions change.

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**SimPort**

SAIC  
10260 Campus Point Drive  
San Diego, CA 92121  
Toll free: 1-800-430-7629  
<http://www.saic.com>

***Description:*** SimPort is the complete object-oriented real-time simulation environment. SimPort includes modeling tools, an Instructor Station, Real-Time Executive, Panel Graphics Emulation, and a powerful Graphical Engineering Editor to allow you to meet your present simulation needs and provide you with the environment and tools for future upgrades. SimPort is the first simulation environment developed specifically for the Microsoft Windows NT operating system. Because development did not include any ported "legacy" code from previous operating systems, SimPort can take full advantage of all the features of the Microsoft Windows development environment.

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**SIMPROCESS**

CACI Products Company  
1011 Camino Del Rio South  
Suite 230  
San Diego, CA 92108  
Tel: (619) 542-5228  
Fax: (619) 692-1013  
<http://www.simscrip t.com>

***Description:*** SIMPROCESS® is a hierarchical integrated process simulation software package that combines Process Mapping, Flow Charting, Discrete Event Simulation, and ABC (Activity Based Costing) in a single, easy to use tool. SIMPROCESS provides non-programmers with ready-made blocks for building logic-based models supporting decisions in your BPM (Business Process Management), Process Improvement, Six Sigma and BAM (Business Activity Monitoring) initiatives.

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**SIMSCRIPT II.5®**

CACI Products Company  
1011 Camino Del Rio South  
Suite 230  
San Diego, CA 92108  
Tel: (619) 542-5228  
Fax: (619) 692-1013  
<http://www.simscrip t.com>

***Description:*** SIMSCRIPT II.5® is a powerful Simulation Language with English-like syntax for building discrete event and/or continuous simulation models. Simulation Studio (SimStudio) provides programmers with Integrated Development Tools for flexibility in building portable, high-fidelity, large-scale simulation modeling applications with excellent interactive GUI (Graphical User Interface) and animated

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**SimSheet**

Orlando Software Group, Inc.  
801 International Pkwy, 5th Floor  
Lake Mary, FL 32746  
Tel: (407) 562-1999  
Fax: (407) 562-2001  
<http://www.osgi.com>

***Description:*** SimSheet adds simulation capabilities to spreadsheets for planning, analysis, and general-purpose applications and is designed to work in conjunction with Microsoft Excel™. SimSheet offers current Microsoft Excel users an intuitive interface for adding dynamic simulation to otherwise static spreadsheets. The design objective is to provide a power tool, which is both easy to use and affordable for general spreadsheet application use and is intended primarily for general business professionals who want to enhance their planning and analyzing capabilities. SimSheet provides the user capability to make better decisions by accurately modeling the parameters being used to make long-range budgeting, financial, and forecasting decisions.

## **Simsmart**

Simsmart, Inc.  
6 Place du Commerce, Suite 100  
Brossard, Quebec J4W 3J9  
Canada  
Tel: (450) 923-0400  
Fax: (450) 923-0038  
Email: [solution@simsmart.com](mailto:solution@simsmart.com)  
<http://www.simsmart.com>

***Description:*** Simsmart Inc, founded in 1986, is a provider of process systems design software, process performance analysis, process training solutions, and related application engineering. As a result of extensive research and development, our multidiscipline physics-based dynamic modeling and simulation design and training tools, called the Engineering Suite and TPTS (Total Platform Training System), are used today in a wide range of military and industrial applications where liquids and gas processes, Heating Ventilating, and Air Conditioning (HVAC), associated AC/DC electrical systems and related process controls are involved. Our two products provide advanced engineering and cost effective solutions for both new constructions and retrofits.

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## **SimSuite Pro®**

GSE Systems, Inc.  
9189 Red Branch Road  
Columbia, MD 21045  
Tel: (410) 772-3500  
Fax: (410) 772-3611  
<http://www.gses.com>

***Description:*** SimSuite Pro™ provides an integrated software suite which is used to build, test, and run simulation models — dynamically and in real time. While these models are widely used for process operator training, their fidelity and ease of modification makes them an excellent foundation for control system design, process evaluation, engineering studies, operating procedure validation, and hazard analysis. When your plant is faced with a change in one of these areas, simulation technology from GSE Systems can help.

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## **SIMUL8**

SIMUL8 Corporation  
225 Franklin Street  
26th Floor  
Boston, MA 02110  
Tel: (800) 547-6024  
Fax: (800) 547-6389  
Email: [sales-team@simul8.com](mailto:sales-team@simul8.com)  
<http://www.simul8.com>

***Description:*** SIMUL8 Standard is an integrated environment for working with simulation models. The powerful language and model visualization capabilities enable you to create the accurate, flexible, and robust simulations you need in less time. SIMUL8 Corp have used industry leading software developers to build a business simulator capable of the most detailed simulations. SIMUL8 is supported to the highest standards. SIMUL8 Professional is the most economical way to license the very powerful Plug-in series for SIMUL8. Plug-ins enhance SIMUL8's communication with other packages, facilitate the exchange of simulations, and increase SIMUL8's functionality.

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## **Simulink**

The Mathworks, Inc.  
3 Apple Hill Drive  
Natick, MA 01760-2098  
Tel: (508) 647-7000  
Fax: (508) 647-7001  
<http://www.mathworks.com>

***Description:*** Simulink is an interactive tool for modeling, simulating, and analyzing dynamic, multi-domain systems. It lets you accurately describe, simulate, evaluate, and refine a system's behavior through standard and custom block libraries. Simulink integrates seamlessly with MATLAB, providing you with immediate access to an extensive range of analysis and design tools. These benefits make Simulink the tool of choice for control system design, signal processing system design, communications system design, and other simulation applications.

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## **SLX**

Wolverine Software Corporation  
3131 Mount Vernon Ave.  
Alexandria, VA 22305-2640  
Tel: (703) 535-6760  
Fax: (703) 535-6763  
Toll free: (800) 456-5671  
E-mail: [E-mail@wolverinesoftware.com](mailto:E-mail@wolverinesoftware.com)  
<http://www.wolverinesoftware.com>

***Description:*** SLX is a new approach to simulation modeling designed to be a tool you can count on to accurately portray your system and meet your project goals. SLX software is designed to meet the needs of modelers who want flexibility and extensibility, as well as the Wolverine hallmark of extremely high performance. SLX takes a layered approach to simulation modeling, making it easy to jump from layer to layer as follows: The kernel layer provides a solid foundation of computational and programming capabilities; the simulation and statistical primitives layer gives you an essential set of simulation mechanisms like event scheduling, generalized wait-until, random variate generation, and statistics collection; and the general-purpose modeling layer provides basic building blocks for modeling a wide variety of systems at varying levels of detail. Application-specific packages are available for various industries such as health care, manufacturing, transportation, or communications. Packages for non-simulationists can be developed using custom front-end interfaces.

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**Stat::Fit**

Geer Mountain Software Corp.  
104 Geer Mountain Road  
South Kent, CT 06785  
Tel: (860) 927-4328  
Fax: (860) 927-1614  
Email: statfit@geerms.com  
<http://www.geerms.com>

*Description:* Stat::Fit statistically fits your data to the most useful analytical distribution. Its operation is intuitive, yet its help file extensive. The Auto::Fit function automatically fits continuous distributions, provides relative comparisons between distribution types, and an absolute measure of each distribution's acceptability. The Export function translates the fitted distribution into specific forms for simulation software. Features include descriptive statistics, parameter estimates, goodness of fit tests, graphical analysis, random variate generation, export to simulation products, and more.

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**Supply Chain Builder**

Simulation Dynamics, Inc.  
416 High Street  
Maryville, Tennessee 37804  
Tel: (865) 982-7046  
Fax: (865) 982-2813  
Email: info@simulationdynamics.com  
<http://www.simulationdynamics.com>

*Description:* Supply Chain Builder is the software framework developed and used by SDI for building supply chain simulations. Its architecture gives us customizable supply chain building blocks and proven constructs, along with a database that makes possible the development of complex models with high fidelity. Supply Chain Builder is used to model entire networks of suppliers, plants, distribution centers, and customers. With configurable outputs and integrated optimization capabilities, it is a power tool that enables us to analyze the smallest supply chains to the largest, most complex supply chains.

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**V8-Line**

Visual8 Corporation  
8700 W. Bryn Mawr  
Suite 800 South  
PMB #8712  
Chicago, IL 60631  
Tel: (800) 878-3373  
E-mail: sales@Visual8.com  
<http://www.visual8.com>

*Description:* Visual8 Corporation is pleased to announce the release of V8-Line 4.0. This version is the next generation of our successful V-8 Line Product. This release is superior to earlier version — running models faster, providing improved model development tools and more detailed output results. Release 4.0 provides the user with additional levels of control and flexibility. Improved areas include resource definitions, task time distributions and flow of orders through the system. Additionally, the product includes improved input logic, which allows users to rapidly produce new product definitions.

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**WarpIV Framework**

Ram Laboratories, Inc.  
10525 Vista Sorrento Pkwy  
Suite 220  
San Diego, CA 92121  
Tel: (858) 677-9207  
<http://www.ramlabs.com>

*Description:* WarpIV is a framework that supports simulation and information management applications across distributed networks and parallel nodes in a scalable manner. WarpIV provides a modeling framework; advanced time management algorithm; shared memory communicator; and promotes interoperability, composability, and high performance.

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**WebMentor LMS™**

Avilar Technologies, Inc.  
8750-9 Cherry Lane  
Laurel, MD 20707-6208  
Tel: (301) 725-7014  
Fax: (301) 725-0980  
Toll free: (888) 873-7014  
<http://www.avilar.com>

*Description:* WebMentor is a comprehensive eLearning solution, based on a completely scalable, interoperable, flexible, and extensible infrastructure. It incorporates several advanced features that are unique within the industry or exceptional in the depth and breadth of their design and implementation. With WebMentor, corporations can track and manage a broad range of learning activities with features like employee registration and post-testing across the entire spectrum of offered courses. WebMentor enables organizations to measure their learning effectiveness, competency, impact on business objectives, and profitability.

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**Witness**

Lanner Group, Inc.  
11000 Richmond Avenue  
Suite 680  
Houston, TX 77042  
Tel: (713) 532-8008  
Fax: (713) 532-3732  
<http://www.lanner.com>

*Description:* Witness simulation software is the most advanced in its field, enabling dynamic simulation modeling of business activities and throughputs. Highlights include: Six Sigma Support—output to MINITAB, Six Sigma optimisation algorithms, project guidance and more; new comprehensive XML interface in SIMBA to allow multiple product linkage and support major partnership opportunity; and database wizard/data module structure for easy linkage and manipulation of data from any OLE DB database source (includes ORACLE, SQL Server, Access, etc).

## **II. Modeling & Simulation Organization Guide**

### **The ACM Special Interest Group on Simulation (SIGSIM)**

**Contact:**

One Astor Plaza  
1515 Broadway, 17th Floor  
New York, New York 10036  
Tel: (212) 869-7440  
Toll free: (800) 342-6626  
Fax: (212) 944-1318  
E-mail: SIGS@acm.org  
<http://www.acm.org/sigsim>

SIGSIM is the ACM Special Interest Group on Simulation. Its mission is to promote and disseminate the advancement of the state of the art in simulation and modeling. By nature extremely cross-disciplinary simulation and modeling activities cut across a broad range of interests. SIGSIM is committed to provide new exceptional electronic services to its members (and to the simulation community at large). SIGSIM actively seeks to provide professional services in a variety of ways, including sponsorship of the Winter Simulation Conference and the Workshop on Parallel and Distributed Simulation.

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### **Air Force Agency for Modeling and Simulation (AFAMS)**

**Contact:**

Email: [afams@afams.af.mil](mailto:afams@afams.af.mil)  
<http://www.afams.af.mil/>

The Air Force established the Air Force Agency for Modeling and Simulation (AFAMS) in June 1996. Its mission is to coordinate the growing requirement for modeling and simulation across the Air Force by implementing AF/Joint/DoD M&S policy and standards; supporting corporate AF M&S planning, requirements, and investments; supporting establishment, transition, and integration of major AF M&S initiatives and programs; and supporting AF decision making and mission execution.

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### **The Arizona Center for Integrative Modeling and Simulation (ACIMS)**

**Contact:**

<http://www.acims.arizona.edu/>

ACIMS is devoted to research and instruction that advances the use of M&S as means to integrate disparate partial solution elements into coherent global solutions to multidisciplinary problems. To do this, the Center will focus on advancing the concepts, tools, and methodology of M&S so that it can make the enormous computation power on the horizon applicable to emerging problems requiring multidisciplinary solutions.

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### **Battle Command, Simulation, and Experimentation Directorate (DAMO-SB)**

**Contact:**

HQDA, DCS G3 (DAMO-ZS)  
400 Army Pentagon  
Washington, DC 20310-0400  
Tel: (703) 601-0005  
<http://www.amso.army.mil>

DAMSO-SB provides the vision, strategy, oversight, integration, training, and management of Modeling and Simulation activities across all M&S domains and environments.

**Core Competencies:**

- Formulate, develop, and promulgate the Army's M&S policies
- Ensure the integration of M&S across Army M&S domains
- Assist senior leaders in properly resourcing Army M&S programs
- Foster reuse and development of common M&S components and tools
- Act as focal point for Army M&S matters with the Joint Staff, Combatant Commanders, DARPA, DMSO, Services, DoD Agencies and OSD staff elements
- Establish and execute simulation operations (Functional Area (FA)/Civilian Program (CP)) Proponency
- Executive agent for Simulation and Modeling for Acquisition, Requirements and Training (SMART)



## **The United States Department of Defense Modeling and Simulation Office (DMSO)**

**Contact:**

1901 N. Beauregard Street  
Suite 500  
Alexandria, VA, 22311  
Tel: (703) 998-0660  
Fax: (703) 998-0667 Fax  
E-mail: ask@dmsomil  
<http://www.dmsomil/public>

The DMSO is the catalyst organization for DoD modeling and simulation and ensures that M&S technology development is consistent with other related initiatives. The DMSO performs those key corporate level functions necessary to encourage cooperation, synergism, and cost-effectiveness among the M&S activities of the DoD components. The DMSO supports the warfighter by leading a defense-wide team in fostering the interoperability, reuse, and affordability of M&S and the responsive application of these tools to provide revolutionary warfighting capabilities and improve aspects of DoD operations.

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## **Dutch Benelux Simulation Society (DBSS)**

**Contact:**

Noordeindseweg 61,  
2651 Le Berkel en Rodenrijs  
The Netherlands  
Tel: 31 (0)10 51 12714  
Fax: 31 (0)10 51 13883  
E-mail: L.Dekker@pa.twi.tudelft.nl  
<http://www.eurosim.info>

DBSS was founded in July 1986 in order to create an organization of simulation professionals within the Dutch language area. DBSS has actively promoted creation of similar organizations in other language areas. DBSS is a member of EUROSIM and works in close cooperation with its members and is further affiliated with SCS International, IMACS, the Chinese Association for System Simulation, and the Japanese Society for Simulation Technology.

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## **EUROSIM**

**Contact:**

<http://www.eurosim.info/>

EUROSIM, the Federation of European Simulation Societies, was set up in 1989. The purpose of EUROSIM is to provide a European forum for regional and national simulation societies to promote the advancement of modeling and simulation in industry, research, and development. EUROSIM's journal *EUROSIM Simulation News Europe* publishes information on simulation news in Europe and trends in simulation, including reports of EUROSIM's member societies. *Simulation Practice and Theory*, EUROSIM's scientific journal, publishes high-quality contributions on modeling and simulation. EUROSIM organizes the three annual EUROSIM Congresses and co-organizes and co-sponsors conferences on simulation.

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## **French Association for Artificial Intelligence (Association Francais pour Intelligence Artificielle)**

**Contact:**

<http://www.afia.lri.fr>

Since its creation in 1989, AFIA has been a focal point for the French-speaking artificial intelligence community. AFIA organizes conferences, runs colleges and workgroups, and acts on behalf of the French AI community with the country's public authorities and ECCAI, the European Coordinating Committee on AI.

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## **The International Marine Simulator Forum (IMSF)**

**Contact:**

<http://www.imsf.org>

The objectives of the Forum are to contribute to improvements in training, and operation in the maritime industry through the use of simulation; to provide an effective medium for the interchange of ideas and experience by members of the Forum; to develop performance criteria for the use of simulators in maritime training and research; and to collaborate with other organizations involved in maritime simulation.

## **The Italian Society for Computer Simulation (ISCS)**

**Contact:**

Università di Roma "Tor Vergata"  
Via della Ricerca Scientifica  
I-00133, Roma, Italy  
Tel: +39 6 7259 4477  
Fax: +39 6 2020 519  
Email: [grassi@info.utovrn.it](mailto:grassi@info.utovrn.it)  
<http://www.eurosim.info/>

ISCS is a scientific, non-profit association of members from industry, university, education, and several public research institutions with common interest in all fields of computer simulation. Its primary purpose is to facilitate communication among those engaged in all aspects of simulation for scientific, technical, or educational purposes. ISCS is member of EUROSIM, the Federation of European Simulation Societies.

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## **Japan Society for Simulation Technology (JSST)**

**Contact:**

<http://www.soc.nii.ac.jp/jsst/>

The Society was established in 1981 to form a forum for the exchange of information about analog computer technology and its applications. The JSST is a registered society recognized by the Science Council of Japan with about 700 active members, including corporate and student members. The JSST provides a forum for exchange and dissemination of the information on widespread topics of simulation technology from hardware to software.

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## **Latvian Simulation Society (LSS)**

**Contact:**

Riga Technical University  
1, Kalku Street  
LV-1658 Riga, Latvia  
Tel: +371-7089514  
Fax: +371-7820094  
Email: [merkur@itl.rtu.lv](mailto:merkur@itl.rtu.lv)  
<http://www.eurosim.info>

LSS was founded in 1990 as the first professional simulation organization within the republics of the former Soviet Union. Currently it consolidates about 40 members, mainly from the academic world. It reflects the fact that today's simulation activities in Latvia are concentrated mostly at universities. The level of these activities is traditionally high at the Riga Technical University and the Latvian University.

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## **McLeod Institute of Simulation Sciences (MISS)**

**Contact:**

<http://www.simulationscience.org/>

The McLeod Institute of Simulation Sciences (MISS) is an initiative of the Society for Modeling and Simulation International (SCS). The MISS consists of cooperating Centers active in professionalism, research, education, and knowledge dissemination in the modeling and simulation (M&S) domain. The MISS aims to provide an organizational structure that will serve to integrate and enrich, within its Centers, the activities of modeling and simulation expertise throughout the world.

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## **Military Operations Research Society**

**Contact:**

1703 N. Beauregard St, Suite 450  
Alexandria, VA 22311  
Tel: (703) 933-9070  
Fax: (703) 933-9066  
Email: [morsoffice@mors.org](mailto:morsoffice@mors.org)  
<http://www.mors.org>

To enhance the quality and usefulness of military operations research, the Military Operations Research Society endeavors to understand and encourage responsiveness to the needs of the user of military operations research; provide opportunities for professional interchange; educate members on new techniques and approaches to analysis; provide peer critique of analyses; inform and advise decision makers on the potential use of military operations research; encourage conduct consistent with high professional and ethical standards; recognize outstanding contributions to military operations research; and assist in the accession and development of career analysts.

## **Modelling and Simulation Society of Australia and New Zealand (MSSANZ)**

**Contact:**

<http://www.mssanz.org.au/index.html>

The aims of the Society are to promote, develop, and assist in the study of all areas of modeling and simulation. The Society has more than 500 members from 50 countries, including Australia, Canada, China, France, Germany, Japan, New Zealand, the Netherlands, South Africa, Spain, Switzerland, the United Kingdom, and the United States. Members are from a wide range of professional disciplines including hydrology, agricultural science, economics, engineering, atmospheric science, ecology, and many others.

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## **National Training Systems Association (NTSA)**

**Contact:**

2111 Wilson Boulevard, Suite 400  
Arlington, VA 22201  
Tel: (703) 247-9471  
Fax: (703) 243-1659  
Email: [prowe@ndia.org](mailto:prowe@ndia.org)  
<http://www.trainingsystems.org>

NTSA provides the training, simulation, related support systems, and training services industries a focused, formal organization to represent and promote their business interests in the market place. The Association provides a forum to communicate the full capability and broad characteristics of all of the elements of training systems and services to include associated support services. Founded in 1988 as a non-profit corporation, the Association fosters communication between the training agencies regarding requirements, procurement issues, and policies. An important aim of NTSA is to see that all aspects of training systems development and training services requirements are highlighted as independent and important “line items” in the overall planning, programming, budgeting and acquisition process.

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## **Navy Modeling and Simulation Management Office (NAVMSMO)**

**Contact:**

2000 Navy Pentagon PT 5486  
Washington, DC 20350-2000  
Tel: (703) 601-1414  
<http://navmsmo.hq.navy.mil/>

The role of NAVMSMO is to provide centralized management of Navy M&S, coordinate M&S efforts across functional areas, and develop policies and procedures necessary for M&S standardization within the Navy. The NAVMSMO and the Marine Corps M&S Management Office (MCMSMO) serve as the single points of contact for M&S for the Navy and Marine Corps respectively. Together they comprise one of three Service Component Modeling & Simulation Management Offices (MSMO) required by DoD Directive 5000.59. Established in 1995, NAVMSMO serves as the Navy single point of contact on all Navy modeling and simulation matters, and for coordination with the other Services, DoD, Joint Staff, and other agencies’ M&S organizations.

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## **Simulation Interoperability Standards Organization (SISO)**

**Contact:**

3280 Progress Drive  
Orlando, Florida 32826  
Tel: (407) 882-1348  
Fax: (407) 658-5059  
Email: [vlowe@ist.ucf.edu](mailto:vlowe@ist.ucf.edu)  
<http://www.sisostds.org>

SISO focuses on facilitating simulation interoperability and component reuse across the DoD and other government and non-government applications. SISO seeks to serve the broad Modeling and Simulation (M&S) community by providing a forum for the interchange of new ideas, concepts, and technology through the Simulation Interoperability Workshops and the Conference on Behavior Representation in Modeling and Simulation; educating M&S practitioners and sponsors regarding implementation through tutorials held at the Workshops and through the quarterly publication of an online technical magazine titled *Simulation Technology*; and supporting the development of standards, practices, and guides for use in various applications.

## Virginia Modeling Analysis and Simulation Center (VMASC)

**Contact:**

<http://www.vmasc.odu.edu/>

The Virginia Modeling, Analysis and Simulation Center is a not-for-profit collaborative enterprise center of Old Dominion University's College of Engineering and Technology. We are partnered with academia, industry, and government and our foci are modeling, simulation, and visualization research; development and education; and leveraging, promoting, and cultivating simulation technology expertise through industry, government, and academia.

### III. Application Index

#### SOFTWARE TITLE

#### COMPANY

#### WEB SITE

##### Aerospace

20-sim	Controllab Products B.V.	<a href="http://www.20sim.com">http://www.20sim.com</a>
acslXtreme	AEgis Technologies Group	<a href="http://www.acslXtreme.com">http://www.acslXtreme.com</a>
AnyLogic	XJ Technologies	<a href="http://www.xjtek.com">http://www.xjtek.com</a>
DELMIA-DS PPR	Delmia Corporation	<a href="http://www.delmia.com">http://www.delmia.com</a>
GoldSim	GoldSim Technology Group	<a href="http://www.goldsim.com">http://www.goldsim.com</a>
MSC.ADAMS	MSC.Software Corporation	<a href="http://www.mscsoftware.com">http://www.mscsoftware.com</a>
RT-LAB	Opal-RT	<a href="http://www.opal-rt.com">http://www.opal-rt.com</a>

##### Agent-Based Simulation

AgentSheets	AgentSheets, Inc.	<a href="http://www.agentsheets.com/">http://www.agentsheets.com/</a>
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##### Air Traffic Control

TowerView	AAI Corporation	<a href="http://www.aaicorp.com">http://www.aaicorp.com</a>
FlightViz	SimAuthor, Inc.	<a href="http://www.simauthor.com">http://www.simauthor.com</a>

##### Automotive Systems

20-sim	Controllab Products B.V.	<a href="http://www.20sim.com">http://www.20sim.com</a>
MSC.ADAMS	MSC.Software Corporation	<a href="http://www.mscsoftware.com">http://www.mscsoftware.com</a>
DELMIA-DS PPR	Delmia Corporation	<a href="http://www.delmia.com">http://www.delmia.com</a>
AnyLogic	XJ Technologies	<a href="http://www.xjtek.com">http://www.xjtek.com</a>
WITNESS	Lanner Group, Inc.	<a href="http://www.lanner.com">http://www.lanner.com</a>
RT-LAB	Opal-RT	<a href="http://www.opal-rt.com">http://www.opal-rt.com</a>
eMPower	Tecnomatix Technologies, Inc.	<a href="http://www.tecnomatix.com">http://www.tecnomatix.com</a>
V8-Line	Visual8 Corporation	<a href="http://www.visual8.com">http://www.visual8.com</a>



## **Biomedical and Medicine**

@RISK acslXtreme Micro Saint Sharp PROMODEL	Palisade Corporation AEgis Technologies Group Micro Analysis & Design PROMODEL Corporation	<a href="http://www.palisade.com">http://www.palisade.com</a> <a href="http://www.acslXtreme.com">http://www.acslXtreme.com</a> <a href="http://www.maad.com">http://www.maad.com</a> <a href="http://www.promodel.com">http://www.promodel.com</a>
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## **Business Applications**

Analytica Arena DecisionPro Factory Explorer® GoldSim ProcessModel PROMODEL Risky Project SIMPROCESS SIMUL8	Lumina Decision Systems Rockwell Software Vanguard Software Corp Wright Williams & Kelly GoldSim Technology Group ProcessModel, Inc. PROMODEL Corporation Intaver Institute, Inc. CACI Products Company SIMUL8 Corporation	<a href="http://www.lumina.com">http://www.lumina.com</a> <a href="http://www.arenasimulation.com">http://www.arenasimulation.com</a> <a href="http://www.vanguardsw.com">http://www.vanguardsw.com</a> <a href="http://www.wwk.com">http://www.wwk.com</a> <a href="http://www.goldsim.com">http://www.goldsim.com</a> <a href="http://www.processmodel.com">http://www.processmodel.com</a> <a href="http://www.promodel.com">http://www.promodel.com</a> <a href="http://www.intaver.com">http://www.intaver.com</a> <a href="http://www.simscrip.com">http://www.simscrip.com</a> <a href="http://www.simul8.com">http://www.simul8.com</a>
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## **CAD/CAM/CIM**

CimStation Inspection	SILMA, Inc.	<a href="http://www.silma.com">http://www.silma.com</a>
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## **Chemical Engineering**

20-sim acslXtreme SIMSMART	Controllab Products B.V. AEgis Technologies Group SIMSMART, Inc.	<a href="http://www.20sim.com">http://www.20sim.com</a> <a href="http://www.acslXtreme.com">http://www.acslXtreme.com</a> <a href="http://www.simsmart.com">http://www.simsmart.com</a>
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## **Complexity, Complex Systems**

CSIM19 SLX <a href="http://www.slx.com">com</a>	Mesquite Software, Inc. Wolverine Software Corporation	<a href="http://www.mesquite.com">http://www.mesquite.com</a> <a href="http://www.wolverinesoftware.com">http://www.wolverinesoftware.com</a>
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## **Computer Networks**

ALPHA/Sim® D-ITG	ALPHATECH, Inc. Antonio Pescape	<a href="http://www.alphatech.com">http://www.alphatech.com</a> <a href="mailto:pescape@unina.it">pescape@unina.it</a>
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## **Control Engineering**

AnyLogic	XJ Technologies	<a href="http://www.xjtek.com">http://www.xjtek.com</a>
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## **Education**

RT-LAB	Opal-RT	<a href="http://www.opal-rt.com">http://www.opal-rt.com</a>
WebMentor	Avilar Technologies, Inc.	<a href="http://www.avilar.com">http://www.avilar.com</a>

## **Environmental**

@RISK	Palisade Corporation	<a href="http://www.palisade.com">http://www.palisade.com</a>
Crystal Ball 2000	DECISIONEERING	<a href="http://www.decisioneering.com">http://www.decisioneering.com</a>
GoldSim	GoldSim Technology Group	<a href="http://www.goldsim.com">http://www.goldsim.com</a>

## **Financial Planning**

Crystal Ball 2000	DECISIONEERING	<a href="http://www.decisioneering.com">http://www.decisioneering.com</a>
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## **Geophysical Systems**

@RISK	Palisade Corporation	<a href="http://www.palisade.com">http://www.palisade.com</a>
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## **Government**

PROMODEL	PROMODEL Corporation	<a href="http://www.promodel.com">http://www.promodel.com</a>
SimSheet	Orlando Software Group, Inc.	<a href="http://www.osgi.com">http://www.osgi.com</a>

## **High Level Architecture**

HLA LabWorks	AEgis Technoloies Group, Inc.	<a href="http://www.aegistg.com">http://www.aegistg.com</a>
MRMAIDE	Ram Laboratories, Inc.	<a href="http://www.ramlabs.com">http://www.ramlabs.com</a>
WarpIV Framework	Ram Laboratories, Inc.	<a href="http://www.ramlabs.com">http://www.ramlabs.com</a>

## **Human Factors**

Micro Saint Sharp	Micro Analysis & Design	<a href="http://www.maad.com">http://www.maad.com</a>
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## **Industrial Engineering**

RT-LAB	Opal-RT	<a href="http://www.opal-rt.com">http://www.opal-rt.com</a>
SIMSMART	SIMSMART, Inc.	<a href="http://www.simsmart.com">http://www.simsmart.com</a>

## **Information Systems and Decision Support Systems**

@RISK	Palisade Corporation	<a href="http://www.palisade.com">http://www.palisade.com</a>
GoldSim	GoldSim Technology Group	<a href="http://www.goldsim.com">http://www.goldsim.com</a>

ProcessModel <u>Inventory and Production</u>	ProcessModel, Inc.	<a href="http://www.processmodel.com">http://www.processmodel.com</a>
SIMPROCESS	CACI Products Company	<a href="http://www.simscrip.com">http://www.simscrip.com</a>
<u>Management Science</u>		
@RISK	Palisade Corporation	<a href="http://www.palisade.com">http://www.palisade.com</a>
DecisionPro	Vanguard Software Corp	<a href="http://www.vanguardsw.com">http://www.vanguardsw.com</a>
Arena	Rockwell Software	<a href="http://www.arenasimulation.com">http://www.arenasimulation.com</a>
SIMUL8	SIMUL8 Corporation	<a href="http://www.simul8.com">http://www.simul8.com</a>
iGrafx Process	Corel Corporation	<a href="http://www.corel.com">http://www.corel.com</a>
ProcessModel	ProcessModel, Inc.	<a href="http://www.processmodel.com">http://www.processmodel.com</a>
<u>Manufacturing</u>		
20-sim	Controllab Products B.V.	<a href="http://www.20sim.com">http://www.20sim.com</a>
ALPHA/Sim®	ALPHATECH, Inc.	<a href="http://www.alphatech.com">http://www.alphatech.com</a>
CimStation Inspection	SILMA, Inc.	<a href="http://www.silma.com">http://www.silma.com</a>
AutoMod	Brooks-PRI	<a href="http://www.automod.com">http://www.automod.com</a>
DELMIA-DS PPR	Delmia Corporation	<a href="http://www.delmia.com">http://www.delmia.com</a>
FlexSim	FlexSim Software Products, Inc.	<a href="http://www.flexsim.com">http://www.flexsim.com</a>
WITNESS	Lanner Group, Inc.	<a href="http://www.lanner.com">http://www.lanner.com</a>
Micro Saint Sharp	Micro Analysis & Design	<a href="http://www.maad.com">http://www.maad.com</a>
PROMODEL	PROMODEL Corporation	<a href="http://www.promodel.com">http://www.promodel.com</a>
Arena	Rockwell Software	<a href="http://www.arenasimulation.com">http://www.arenasimulation.com</a>
SIMUL8	SIMUL8 Corporation	<a href="http://www.simul8.com">http://www.simul8.com</a>
eMPower	Tecnomatix Technologies, Inc.	<a href="http://www.tecnomatix.com">http://www.tecnomatix.com</a>
V8-Line	Visual8 Corporation	<a href="http://www.visual8.com">http://www.visual8.com</a>
Factory Explorer®	Wright Williams & Kelly	<a href="http://www.wwk.com">http://www.wwk.com</a>
SimSuite Pro	GSE Systems, Inc.	<a href="http://www.gses.com">http://www.gses.com</a>
<u>Marine Applications</u>		
SIMSCRIPT II.5	CACI Products Company	<a href="http://www.simscrip.com">http://www.simscrip.com</a>
ROSE	CAE	<a href="http://www.cae.com">http://www.cae.com</a>
<u>Materials Handling</u>		
AutoMod	Brooks-PRI	<a href="http://www.automod.com">http://www.automod.com</a>
FlexSim	FlexSim Software Products, Inc.	<a href="http://www.flexsim.com">http://www.flexsim.com</a>
WITNESS	Lanner Group, Inc.	<a href="http://www.lanner.com">http://www.lanner.com</a>
SimFlex	Production Modeling Corporation	<a href="http://www.pmc.com">http://www.pmc.com</a>
Supply Chain Builder	Simulation Dynamics	<a href="http://www.simulationdynamics.com">http://www.simulationdynamics.com</a>

## **Military**

ALPHA/Sim®	ALPHATECH, Inc.	<a href="http://www.alphatech.com">http://www.alphatech.com</a>
CSIM19	Mesquite Software	<a href="http://www.mesquite.com">http://www.mesquite.com</a>
AnyLogic	XJ Technologies	<a href="http://www.xjtek.com">http://www.xjtek.com</a>
Micro Saint Sharp	Micro Analysis & Design	<a href="http://www.maad.com">http://www.maad.com</a>
HLA LabWorks	AEgis Technoloies Group, Inc.	<a href="http://www.aegistg.com">http://www.aegistg.com</a>
SIMSMART	SIMSMART, Inc.	<a href="http://www.simsmart.com">http://www.simsmart.com</a>

## **Mining**

MineSim	Systemflow Simulations, Inc.	<a href="http://www.systemflow.com/minesim">http://www.systemflow.com/minesim</a>
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## **Object-oriented Technology**

SimPort	Data Systems & Solutions	<a href="http://www.ds-s.com">http://www.ds-s.com</a>
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## **Operations Research**

DecisionPro	Vanguard Software Corp	<a href="http://www.vanguardsw.com">http://www.vanguardsw.com</a>
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## **Parallel and Distributed**

ALPHA/Sim®	ALPHATECH, Inc.	<a href="http://www.alphatech.com">http://www.alphatech.com</a>
D-ITG	Antonio Pescape	<a href="mailto:pescape@unina.it">pescape@unina.it</a>

## **Power Plant Simulation**

ANTHEM	CAE	<a href="http://www.cae.com">http://www.cae.com</a>
COMET/CHORUS	CAE	<a href="http://www.cae.com">http://www.cae.com</a>
Datapath X	CAE	<a href="http://www.cae.com">http://www.cae.com</a>
Isis	CAE	<a href="http://www.cae.com">http://www.cae.com</a>
ROSE	CAE	<a href="http://www.cae.com">http://www.cae.com</a>
OpenSim	RNI Technologies	<a href="http://rnitech.com">http://rnitech.com</a>
DYNSIM	SimSci-ESSCOR	<a href="http://www.simsci-esscor.com">http://www.simsci-esscor.com</a>
ALICES	CORYS T.E.S.S.	<a href="http://www.corys.com">http://www.corys.com</a>
SimPort	Data Systems & Solutions	<a href="http://www.ds-s.com">http://www.ds-s.com</a>
RELAP5 R/T	Data Systems & Solutions	<a href="http://www.ds-s.com">http://www.ds-s.com</a>

## **Process Engineering**

iGrafx Process	Corel Corporation	<a href="http://www.corel.com">http://www.corel.com</a>
SimSheet	Orlando Software Group, Inc.	<a href="http://www.osgi.com">http://www.osgi.com</a>
Supply Chain Builder	Simulation Dynamics	<a href="http://www.simulationdynamics.com">http://www.simulationdynamics.com</a>
eMPower	Tecnomatix Technologies, Inc.	<a href="http://www.tecnomatix.com">http://www.tecnomatix.com</a>
V8-Line	Visual8 Corporation	<a href="http://www.visual8.com">http://www.visual8.com</a>
SimSuite Pro	GSE Systems, Inc.	<a href="http://www.gses.com">http://www.gses.com</a>
DYNSIM	SimSci-ESSCOR	<a href="http://www.simsci-esscor.com">http://www.simsci-esscor.com</a>
ASCEND	SimSci-ESSCOR	<a href="http://www.simsci-esscor.com">http://www.simsci-esscor.com</a>



### Queueing Systems

ALPHA/Sim®	ALPHATECH, Inc.	<a href="http://www.alphatech.com">http://www.alphatech.com</a>
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### Risk Analysis

Crystal Ball 2000	DECISIONEERING	<a href="http://www.decisioneering.com">http://www.decisioneering.com</a>
Stat::Fit	Geer Mountain Software	<a href="http://www.geerms.com">http://www.geerms.com</a>

### Robotics

RT-LAB	Opal-RT	<a href="http://www.opal-rt.com">http://www.opal-rt.com</a>
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### Scheduling

AutoMod	Brooks-PRI	<a href="http://www.automod.com">http://www.automod.com</a>
Risky Project	Intaver Institute, Inc.	<a href="http://www.intaver.com">http://www.intaver.com</a>
SimFlex	Production Modeling Corporation	<a href="http://www.pmc corp.com">http://www.pmc corp.com</a>

### Semiconductor Design

PSpice	CADENCE	<a href="http://www.cadence.com">http://www.cadence.com</a>
CSIM19	Mesquite Software	<a href="http://www.mesquite.com">http://www.mesquite.com</a>
AutoMod	Brooks-PRI	<a href="http://www.automod.com">http://www.automod.com</a>

### Software Engineering

MRMAIDE	Ram Laboratories, Inc.	<a href="http://www.ramlabs.com">http://www.ramlabs.com</a>
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### Statistics

ExpertFit	Averill M. Law & Associates, Inc.	<a href="http://www.averill-law.com">http://www.averill-law.com</a>
Stat::Fit	Geer Mountain Software	<a href="http://www.geerms.com">http://www.geerms.com</a>

### System Dynamics

SimSheet	Orlando Software Group, Inc.	<a href="http://www.osgi.com">http://www.osgi.com</a>
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### Telecommunications Systems

Analytica	Lumina Decision Systems	<a href="http://www.lumina.com">http://www.lumina.com</a>
AnyLogic	XJ Technologies	<a href="http://www.xjtek.com">http://www.xjtek.com</a>
D-ITG	Antonio Pescape	<a href="mailto:pescape@unina.it">pescape@unina.it</a>
PSpice	CADENCE	<a href="http://www.cadence.com">http://www.cadence.com</a>

### Training Simulators

Agent Sheets	AgentSheets, Inc.	<a href="http://www.agentsheets.com">http://www.agentsheets.com</a>
Isis	CAE	<a href="http://www.cae.com">http://www.cae.com</a>

### Transportation and Traffic

MSC.ADAMS	MSC.Software Corporation	<a href="http://www.mscsoftware.com">http://www.mscsoftware.com</a>
acslXtreme	AEgis Technologies Group	<a href="http://www.acslXtreme.com">http://www.acslXtreme.com</a>
SIMSCRIPT	CACI Products Institute	<a href="http://www.simscrip.com">http://www.simscrip.com</a>

### Virtual Prototyping

MSC.ADAMS	MSC.Software Corporation	<a href="http://www.mscsoftware.com">http://www.mscsoftware.com</a>
acslXtreme	AEgis Technologies Group	<a href="http://www.acslXtreme.com">http://www.acslXtreme.com</a>

### Visualization, Graphics Animation

Agent Sheets	AgentSheets, Inc.	<a href="http://www.agentsheets.com">http://www.agentsheets.com</a>
SLX	Wolverine Software Corporation	<a href="http://www.wolverinesoftware.com">http://www.wolverinesoftware.com</a>
Maya	Alias/WaveFront, Inc.	<a href="http://www.aliaswavefront.com">http://www.aliaswavefront.com</a>
FlightViz	SimAuthor, Inc.	<a href="http://www.simauthor.com">http://www.simauthor.com</a>
Ensemble	Evans & Sutherland	<a href="http://www.es.com">http://www.es.com</a>
ROSE	CAE	<a href="http://www.cae.com">http://www.cae.com</a>

### Web-based Applications

WebMentor	Avilar Technologies, Inc.	<a href="http://www.avilar.com">http://www.avilar.com</a>
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