

Uplinks is a continuation of our annual Software Guide containing new and updated information from software manufacturers and suppliers. If you would like to include your products and services, please contact guides@structuremag.org to add your company to our mailing list.



StruCad, the World's Leading 3D Structural Steel Detailing System offers advanced 3D Parametric Solid Modeling allowing structures to be modeled with speed and accuracy using automatic connections. Accurate drawings and reports automatically generated together with CAM data for CNC machinery. Designed to integrate with analysis and fabrication management systems. www.strucad.com



Bi-directional integration between **ADAPT-Builder** and **Autodesk® Revit® Structures** delivers productivity gains. Revit Structure users can now design concrete floor and foundation systems using the world's most comprehensive and exact design suite. True 3-D integration seamlessly exchanges geometry, material and loading data without adjustments or loss of project data. Visit www.adaptsoft.com.



Autodesk Revit Structure 4, the latest version of Autodesk's BIM software for structural engineering, contains improved modeling (beam systems and trusses), analytical tools (boundary condition elements) and enhanced reinforced concrete documentation. Autodesk also announced its intention to acquire Robobat, a leader in structural analysis, design, concrete and steel detailing software. www.autodesk.com

AXIUM - Ajera PORTFOLIO helps A/E firms improve efficiencies in resource planning, budgeting and scheduling without deploying an administrative army. PORTFOLIO's centralized database and project tools, allow project managers and principals to manage workload distributions, forecast resource requirements, and predict revenue with greater accuracy. For more information visit www.ajeraportfolio.com or email sales@axiumae.com

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StruCalc's ten modules can design beams, columns, joists, rafters and footings as well as multi-span hip beams and laterally loaded studs. StruCalc can design solid sawn lumber, steel, tube steel, glulams, I-joists, flitch beams, and structural composite lumber. Includes new 2006 IBC and 2005 NDS code values. Only \$495. www.strucalc.com.



CSI announces the addition of **PERFORM 3D**. Having built-in tools for widely accepted methods of performance assessment, **PERFORM 3D** has various nonlinear/linear components as well as nonlinear analysis. **PERFORM** includes numerous tools to display results for checking the analysis mode and help you understand the behaviour of the structures. www.csiberkeley.com

Daystar Software Inc., **Multiframe**, fully graphical structural engineering design and analysis software for 2D and 3D modeling. The latest update to includes over 20 enhancements, including the addition of buckling analysis, results enveloping and improvements in OpenGL rendering. The Multiframe Automation interface has been enhanced allowing dynamic links to other applications. www.daystarsoftware.com



LGBEAMER v7 Pro provides modeling and design of cold-formed and HSS sections with uniform, concentrated, partial span, sloping and axial loads. Single, boxed, back-to-back and built-up cold-formed members are included. Framed opening, shearwall, x-brace and floor joists tools! 2001 NASPEC and 2004 Supplement are included! Visit www.devcosoftware.com

Digital Canal's Frame Analysis and Design, the only structural engineering software completely integrated into AutoCAD, is now available for AutoCAD 2007. Key features include advanced elements (non-prismatic, cable, tension only, contact elements, elastic-plastic bars), unlimited graphical editing via AutoCAD, integrated steel and spread footing design and much more! www.digitalcanal.com

Dimensional Solutions' **Foundation3D** and **Mat3D** can now generate 3D models consisting of piers, mats/pile caps, piles, grout, and anchor bolts of the completed foundation designs in popular modeling solutions such as Autodesk's AutoCAD, Intergraph's Frameworks Plus and Aveva's Vantage PDMS saving hours of modeling time. www.dimsoln.com

IntelliModel is a parametric computer software application that allows rapid production of 3D building models within the AutoCAD® or Architectural Desktop® "DWG" environment. IntelliModel automates the production of architectural isometrics, plans and elevations, and produces automated building framing and analysis for the structural engineer, including production of pertinent engineering drawings. www.intellimodel.com

ENERCALC Engineering Software is close to releasing Version 6 of the Structural Engineering Library. This new version reduces total module count with tighter integration, supports all the latest building codes and has been redesigned to create a platform for the software to build upon for years. Call 800-424-2525 or visit www.enercalc.com

The Georgia Tech - CASE Center announces the release of **GT STRUDL Version 29**, enhanced to include extremely fast static and dynamic analysis solvers. NEW Release Includes: Base Isolation and Plastic Hinge features, Displacement Constraint Design Procedure, Mirroring and Extruding of Models, and a NEW - Antenna Tower module. www.gtstrudl.gatech.edu

PROFIS - free and easy to download and install. Full-screen graphical interface; comprehensive, anchor selector; easy-to-understand anchor setting animations; database of exportable CAD drawings for all Hilti anchors; and anchor approval and specification library. Save personalized preferences. Supports allowable stress design (ASD) and strength design in accordance with ACI-318-02 Appendix D. www.us.hilti.com



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LEAP Software has released LEAP Bridge 2006, the first completely integrated, single interface application for bridge geometry, substructure and superstructure analysis, design and load rating, LandXML registered and certified, LEAP Bridge is integrated with AASHTO Virts/Optis giving users a simple, accurate and efficient method for data exchange. www.leapsoft.com



LUSAS Bridge – finite element software for the analysis, design and load rating of all types of bridges. Used on major structures worldwide, LUSAS Bridge solves all types of linear and nonlinear stress, dynamics, composite, fatigue, buckling, thermal, or soil structure interaction analysis problem. Major new version announced shortly. www.lusas.com

MIDAS Civil Bridge Analysis & Design software. New Features include LRFR Rating for post-tensioned box bridges, Integral Bridge design, easy specifications for tendons in post-tensioned segmental bridges & Forward Stage analysis of Cable stay bridges. Graphic user interface has been completely renewed to provide easier interface and speedy displays. www.MidasUser.com

Omnitech Associates, **DESCONWIN** designs beam and column splices, shear and moment connections to column flange, column web, girder, and HSS columns. **DESCONBRACE** designs Diagonal, Chevron, K, and Knee Brace connections. Both programs generate detailed calculation reports, drawings, and DXF files. ASD and LRFD versions are available in metric and imperial units. www.Desconplus.com





Versions 2.0 of the **pcaSlab** and **pcaBeam** programs for analysis, design, and investigation of reinforced concrete beams and slab floor systems will be released in November by **pcaStructurePoint**, the computer software group of Portland Cement Association. Both programs will include numerous improvements and will add support for ACI 318-05. www.pcaStructurePoint.com

Latest updates for quality assurance of deep foundations are **GRLWEAP V.2005** and **CAPWAP® V.2006**. **GRLWEAP** simulates pile driving and is essential for preconstruction analysis of driven pile foundations. Data analysis with **CAPWAP** software is an integral part of dynamic load tests performed with the **Pile Driving Analyzer®**. www.Pile.com

Supplementing the Most Powerful, Easiest, Efficient & Comprehensive Post-tensioned & Reinforced Concrete Design program – **POSTEN Multistory** + CAD now includes a Comprehensive Detail Library (a MUST for starting out). Extend capabilities farther with **TiltUP** + CAD (Efficient Tilt-up Concrete Design + CAD Library). **POWER & CAPABILITIES** - Like No Other!! www.postensoft.com



RAM Advanse Version 8.0, an easy to use general purpose 2D or 3D finite element program. Now features a number of innovative engineering desktop programs. These design programs include concrete and masonry retaining walls, continuous beams for steel, concrete and wood, tilt-up walls, masonry walls, and concrete and masonry shear walls. www.ramint.com

New features in **Retain Pro 2007** include design of segmental retaining walls, both gravity and with geogrids; LRFD design option for masonry; pier foundations; a unique quick-solve Equation Menu; plus others. Immediate download available after ordering-no more waiting. For information visit us at www.retainpro.com.



RISAFloor Version 3 now shipping! The new Physical Columns feature automatically creates column stacks; column redesign with splices is a snap. Design upgrades like custom concrete rebar layout and wood glulams complement **RISAFloor's** comprehensive steel design capabilities. **RISAFloor V3** also provides a robust link with Autodesk Revit Structure 4. www.risatech.com

S-CONCRETE a reinforced concrete section design and detailing software that is stand-alone and integrated with our structural analysis software, **S-FRAME** and **P-FRAME**. The software supports the current American, Canadian, British, and Singapore standards. It will design beams, columns, composite columns, and shear walls subjected to wind and earthquake loads. www.s-frame.com

New features for **SPACE GASS** - moving loads, merging of jobs, auto-creation of steel design data, re-designed printing and print preview facilities, enhanced mouse control, copying of node/member properties, copying of loads, auto-stabilization of unstable nodes, direct links to MS-Excel, MS-Access and MS-Word, enhanced job cleanup, easier cable modeling, etc. www.spacegass.com/sgnew.asp

Strand7 is a sensibly priced FEA system, designed for Windows; used for civil, structural, mechanical, marine, aeronautical applications. **Strand7** comprises preprocessing (including automatic meshing of CAD models), solvers (linear and nonlinear static, dynamic, heat transfer), postprocessing and powerful API - fully benchmarked and distributed with detailed Verification manuals. www.strand7.com



Structural Desktop, with its library of sections, integrates the graphical power of AutoCAD into your analytical modeling software, creating analytical and solid models, material lists, and finished plan and elevation drawings in a few seconds. By reducing costs and errors **Structural Desktop** pays for itself in a single project. www.structuraldesktop.com

StructureWorks Precast, a 3-dimensional automatic parametric solid modeler built on an industry-standard SQL database. Focused on the needs of the manufactured concrete construction marketplace. Facilitates sharing of common and job specific data across the entire enterprise by synchronizing and automating drawing types, bills of material, and engineering content. www.structureworks.net



Tekla Structures has recently strengthened its position as an open platform to model and manage project data in a single design and construction 3D model. Reaching IFC 2X3 Certification and improving analysis & design links with ETABS and Staad-Pro will result in better design coordination for the structural team. www.tekla.com

Engineers worldwide have made **DIANA** the tool for their most challenging work on RC-structures and Soil-Structure Interaction, Earthquake and Forensic Engineering and Research Applications. **DIANA** software is designed for Expert Engineers. Technical Support, Advanced Consulting and Customized Solutions, based on many years of experience, are offered. Visit us at www.TNODIANA.COM