

Text (Main Edition)

Sponsor Message: 50-75 words (including headline)
+ one hyperlink

Event Alerts, White Papers: Title, 25-word description,
one hyperlink

In this edition, sponsored by Dyson, IBM, and SolidWorks:

- Software to Fight Crime by Seeing Lips
- Techs of the Week: Imaging Software
- NASA's GARRET Delivers Emergency and Time-Sensitive Alerts
- Hot Products on the CAD/CAE Market

A **Sponsor Message**

NEW INTENSITY ADJUSTMENT FEATURE ALIGNS IMPROVED UV PROCESS CONTROL

A new, patent pending Intensity Adjustment Feature on the SPYMA3 BlueWave(TM) UV curing spot lamp allows engineers to evaluate the full range of intensity produced by the BlueWave 300, from 8 to 100%, during initial UV process validation and production. With a simple, manual intensity adjustment, the upper and lower intensity limits of a UV curing process can easily be identified in an actual production setting for improved process control.

Find out more...
<http://link.abpi.net/1.php?20070221A>

B **LIP READING**

Researchers at the University of East Anglia (Norwich, UK) are developing computer lip-reading software and hardware systems that could be used for hearing-impaired, as well as law enforcement, there could be other potential uses for the technology, such as installing a camera in a mobile phone, or on the dashboard for in-car speech recognition systems. The project will collect data for lip reading and use it to create computerized methods that automatically convert videos of lip motions into text.

When lipreading can be unreliable and the number of trained lip readers is falling, mainly because people tend to be taught to sign instead.

For more information, visit: <http://link.abpi.net/1.php?20070221A>

TECHNOLOGIES OF THE WEEK

A software suite is available that integrates sound and digital still images in industry-standard JPEG files. The technology provides applications and tools that accompany the write image file system.

VIEW THIS TECHNOLOGY AT <http://link.abpi.net/1.php?20070221A>

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Visit <http://link.abpi.net/1.php?20070221A> or 800-891-2200.

NASA SPOTREP

NASA Goddard Space Flight Center (Greenbelt, MD) invites companies to license its Global Alert Resilience Network (GARRET), an enterprise software application capable of delivering emergency and time-sensitive alerts to affected individuals via a variety of communication channels. Alerts can be delivered within an organization to employees, or outside an organization to large pools of subscribers, such as organizations and community members.

Ideal for commercial, academic, and government communication plans, GARRET enables alert dissemination to multiple communication devices, including desktop computers (PCs and NBCEs), mobile-based environments, cell phones, pagers, e-mail applications, and personal digital assistants (PDAs). The software also offers plug-ins that enable organizations to integrate notification systems already in use, such as alarm or alarm, public address (PA) systems, and closed circuit television (CCTV).

For more information, visit: <http://link.abpi.net/1.php?20070221A>

D **Sponsor Message**

Watch Mr. Mario Tortorella challenge SolidWorks software.

Mr. Mario Tortorella is the sixth person in the world to hold the title of Dragon Master. Watch the challenge SolidWorks software to see who can design the best robot.

At the Robot Challenge Web site, you can also order a free original robot kit with special paper and personal folding instructions from Mario himself.

SEE YOU THERE!
<http://link.abpi.net/1.php?20070221A>

NOT CAD/CAE PRODUCTS

ANSYS, Inc. (Bethel Springs, PA) released Version 11.0 of its ANSYS software, offering tools and capabilities that enable users to complete jobs efficiently and fully leverage simulation-driven product development for a wide range of applications. Abilities include advanced analysis, modeling, optimization, multiphysics, and multi-body dynamics. For more information, visit: <http://link.abpi.net/1.php?20070221A>

From Flowtec (Lebanon, NH), Flowzard software leads in rapid flow modeling, a flexible approach to CFD simulation that allows for accurate and quick engineering design validation much earlier in the product development cycle.

For more information, visit: <http://link.abpi.net/1.php?20070221A>

Verter Fields (Aurora, IL) has released a 3-D version of its electromagnetic modeling software for simulating permanent magnet characteristics. Called REMM, the solver allows designers to optimize equipment designs by accurately simulating both the magnetization process, and the subsequent demagnetization effects that might be encountered.

For more information, visit: <http://link.abpi.net/1.php?20070221A>

E **ADVERTISEMENT**

Event Alert

Free Webinar: Join us and other engineering professionals at the "Adobe and Allwin Technology Seminar" on Wednesday, February 28. Allwin, Inc. and Adobe Inc. are coming together to provide an informative online seminar that reviews how other leading-edge companies have used new and affordable technology to streamline their design process.

<http://link.abpi.net/1.php?20070221A>

HTML (Motion Control, Software, Embedded Computing)

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Image - 100 x 100 max, .jpg or .gif

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- Software of the Year Winner
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- Engine Analysis Tool Goes Commercial
- Visualization Software Aids Surgeons

NASA SOFTWARE OF THE YEAR

An analysis environment for exploring, developing, and evaluating advanced air traffic management (ATM) concepts has been named NASA's 2006 Software of the Year. FACET (Future ATM Concepts Evaluation Tool) was developed by a team at Ames Research Center led by Dr. Banavar Sridhar, and has been implemented by the FAA as well as commercial and general aviation.

FACET-developed techniques are enabling traffic flow management and dynamic airspace configuration to reduce airport delays and increase overall efficiency of our nation's airspace system. Engine noise, exhaust dispersion, and existing trajectory data are modeled in FACET for the design of environmentally friendly airports and approach paths.

<http://link.abpi.net/1.php?20060821A2>

B **Sponsor Message**

Free Multiphysics Conference CD

The COMSOL Multiphysics Conference CD containing user presentations from our recent conferences around the world is now available. The CD includes 229 papers from the Conference Proceedings, 137 slide presentations, 44 keynote presentations, and 30 ready-to-run models. Request your free copy today: <http://link.abpi.net/1.php?20060831A1>

NEW RELEASES

National Instruments (Austin, TX) has released LabVIEW 8.20 graphical system design platform for test, control, and embedded system development. MathScript lets users integrate scripts created in MATLAB. <http://link.abpi.net/1.php?20060821A9>

Engineous Software (Cary, NC) offers iSIGHT-FD version 2.0 software that integrates steps in the design process, and automates and executes the steps. The new release features extended design drivers and advanced visualization. <http://link.abpi.net/1.php?20060821A10>

webMathematica 2.3 from Wolfram Research (Champaign, IL) enables Mathematica computations to be done on the Web. Designed for 64-bit computing, the new version expands the scope and size of problems that Web sites can solve. <http://link.abpi.net/1.php?20060821A11>

C **Sponsor Message**

Upfront CFD Starter Kit

Learn how to conduct more design trade-off studies in less time. CFDdesign makes it simple to simulate transient, steady-state, laminar, & turbulent flows. Add radiation, conduction, natural, & forced convection heat transfer effects with a couple extra mouse clicks. Digitally prototype turbo machinery applications — without special hardware or skills. <http://link.abpi.net/1.php?20060905A5>

TECH BRIEFS

NASA's Glenn Research Center developed software for structural analysis of engine components for the space shuttle. The prime contractor, Southwest Research Institute, has introduced a commercial version called NESSUS which is finding non-aerospace applications. <http://link.abpi.net/1.php?20060922A2>

Sponsor Message

Packed with hundreds of enhanced analysis capabilities.

COSMOSDesignSTAR 2006 is the analysis software of choice for engineers who work with multiple CAD programs such as Autodesk Inventor, Solid Edge, Pro/Engineer, CATIA and other CADs. Try COSMOSDesignSTAR 2006 free for 30 days! <http://link.abpi.net/1.php?20060410A7>

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View demos and try National Instruments' LabVIEW 8.20 FREE online: <http://link.abpi.net/1.php?20060820A8>

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Learn how to reduce product development time, cost. Presented by SolidWorks. <http://link.abpi.net/1.php?20060828A8>

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FRED, the premier optical engineering software, now traces FASTER. See how: <http://link.abpi.net/1.php?20060828A8>

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The industry's most comprehensive 3D PLM software portfolio. <http://link.abpi.net/1.php?20060828A7>

Leading FEA Simulation Tool

Femap models everything from simple solid components to entire spacecraft. <http://link.abpi.net/1.php?20060828A8>

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