

# THE VESA MONITOR

## A MONTHLY NEWSLETTER

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### ■ VESA Members Elect New Board

The VESA membership elected its Board of Directors and Officers for 2004/2005 at the annual meeting on May 12, 2004. Newly elected Board members Syed Athar Hussain, ATI Technologies and Joe Lamm, Tech Source, will join Ian Miller, Samsung Electronics America; Bob Myers, Hewlett-Packard, Scott Sommers, Molex Incorporated; Joe Goodart, Dell and Susan Luerich, IBM.

The Board also elected new officers for the coming year. Ian Miller, Samsung Electronics America, was elected as the Chairman; Scott Sommers, Molex Incorporated, Vice Chairman and Joe Lamm, Tech Source, Secretary/Treasurer.

Outgoing Board members Alain d'Hautecourt, ViewSonic and Don Chambers, CONN-tech CONN-sulting, were recognized by the new Board for their tireless efforts while they served on the VESA Board of Directors and committees.

### ■ VESA Announces New Compliance Program for Flat Panel Display Mounting Systems

#### Mounting Equipment Suppliers and Display Manufacturers Can Earn New Compliance Logo

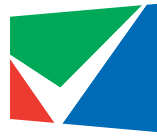
On April 28 VESA introduced its new Flat Display Mounting Interface (FDMI) Compliance Program, designed to allow mounting products manufacturers and flat display manufacturers to test products for conformance and earn the VESA Mounting Compliance Logo.

The program has been designed so manufacturers can conduct self-tests on their mounting equipment and displays, in order to assure convenience, flexibility and privacy. Under its guidelines, manufacturers of displays, flat panel mounting arms, pivots, and other apparatus may test products at their own facilities and then provide VESA with a completed set of documents that stipulate compliance with the mandated mechanical requirements. The program applies to all new, enhanced, or upgraded versions of flat panel products. Once VESA has certified the results of the tests, display vendors and mounting solutions providers can display VESA's flat display mounting compliance logo on product packaging, in marketing and promotional materials, and at trade events or conferences.

"The VESA Flat Display Mounting Interface Compliance Program has been designed to make self-test simple and convenient for display and mounting companies," said Bill Lempesis, executive director. "It also is designed to assure consumers that flat panel manufacturers and mounting equipment makers are working to ensure reliable and cost-effective display mounting products and solutions."

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VESA defines flat display mounting interface standards for displays including monitors, flat televisions, and other flat display products. It defines standards for flat displays with viewing areas ranging from 102 mm (four inches) to 2,286 mm (90 inches) diagonal, and covers the entire range of mounting options, including wall, desktop, mobile, overhead and specialty mounting, such as kiosks. It also incorporates corresponding standards that describe interface mounting pads, wall mount brackets, and other apparatus that is provided by mounting equipment manufacturers.



VESA Mounting  
Compliance Logo

## ■ VESA's DPVL Standard Defines Selective Update Scheme and Other Protocols for Enhanced Display Content

VESA members have approved the new Digital Packet Video Link (DPVL) standard, which provides display manufacturers with a selective update scheme, video packet format definitions, and other protocols that meet the expanded demands of new high information content monitors and cascaded multiple monitors.

The DPVL selective update scheme allows a PC or other host to transmit only the portions of a screen image that are being modified in place of raster scanning that refreshes every pixel on a screen at regular intervals in conventional monitors. New, high information monitors require significant bandwidth for updating. This bandwidth is not available in conventional interfaces such as GVIF and LVDS, which rely on raster scanning technology. DPVL decouples the video transmission rate from the display device's refresh rate, resolving the bandwidth problem and allowing high data content and cascaded monitors to be updated efficiently

Raster scan also cannot support delivery of 'meta data,' video data attributes required for screen image reconstruction in high content monitors. The DPVL standard defines video

packet formats for meta data, which must be embedded in the video stream.

"High information content monitors are capable of delivering significant improvements in content at pixel densities of 200 dots per inch, and a higher total number of pixels than is provided in conventional monitors," said Bill Lempeis, VESA executive director. "But they require a higher transmission bandwidth in order to refresh. Our DPVL standard provides a solution to the bandwidth shortfall. It will speed the market acceptance of this new generation of monitors, delivering improved business productivity to users in a wide range of applications."

For a copy of the DPVL standard, visit [www.vesa.org](http://www.vesa.org)

## ■ Fourth Annual DI Symposium Set For 16-17 in Milpitas

The annual Display Interfaces Symposium is set for September.16-17 in Milpitas, California, with the theme "PC/TV Convergence."

VESA is now accepting proposals for symposium presentations on the following topics as they relate to the conference them:

- electrical interfaces and protocols for displays;
- display interface requirements for non-PC displays such as PDAs and TVs;
- future display interface and graphics hardware architectures;
- display timing standards;
- physical connectors intended for display interface use;
- overall trends in the display industry or markets, and their impact on interface requirements and standards.

Abstracts should be submitted for presentations of between 20 and 30 minutes in length, or 50 to 60 minutes. They can be sent to [moderator@vesa.org](mailto:moderator@vesa.org) in the form of PDF, plain text, or Word (.doc) files. Final presentations will be expected in a PowerPoint file. Abstracts must be received no later

than July 16, and all acceptance notifications will be sent by July 30. Final presentations must be received no later than August 27.



The conference will be open to VESA members and also non-members, and information and intellectual property described in any of the presentations will be subject to VESA policies and procedures.

For more details about the conference and registration, visit [http://www.vesa.org/events\\_symposium.html](http://www.vesa.org/events_symposium.html)

## ■ Ergotron issued first official VESA Mounting Compliance Logo

VESA is proud to announce that Ergotron, Inc. was the first official recipient of the VESA Mounting Compliance Logo. The VESA Flat Display Mounting Interface (FDMI™) Standard defines mounting interfaces and hole patterns for LCD monitors, plasma displays and other flat panel devices. All of Ergotron's flat panel mounting solutions are designed to conform to the FDMI standard. They make monitor attachment quick and easy and dramatically lower the total cost of ownership for users of flat display technology.

Ergotron's relationship with VESA has a rich history. Ergotron's founder and Chairman, Harry Sweere, holder of 35 U.S. patents on various types of computer mounting equipment, was the workgroup leader for the FDMI Standard. In addition, he authored the original Flat Panel Monitor Physical Mounting Interface (FPMPMI) Standard in 1997, which has been implemented by the majority of display and mounting manufacturers worldwide.

"We are proud of our long association with the VESA organization. The standard mounting interfaces have had a major impact in allowing flat displays to be utilized in many industries and applications unheard of just a few years ago," said Harry Sweere, founder, Chairman and Chief Scientist of Ergotron, Inc.